



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
EDISON, NEW JERSEY 08837

ACTION MEMORANDUM – RV1

SUBJECT: Confirmation of a Verbal Authorization, Request for Ceiling Increase, 12-Month Exemption, and \$2 Million Exemption for the CERCLA Emergency Removal Action at the Superior Barrel and Drum Site, Elk Township, Gloucester County, New Jersey

FROM: Keith Glenn and Margaret Gregor, On-Scene Coordinators
Removal Action Branch

Margaret Gregor
Enck for KG

THRU: *[Signature]*
Walter E. Mugdan, Director
Emergency and Remedial Response Division

TO: *[Signature]*
Judith A. Enck
Regional Administrator

Site ID No.: A23K

I. PURPOSE

The purpose of this Action Memorandum is to confirm and document the verbal authorization granted by the Director of the Emergency and Remedial Response Division to initiate an emergency removal action at the Superior Barrel and Drum Site ("Site") in Elk Township, Gloucester County, New Jersey. This Action Memorandum further requests a ceiling increase and emergency exemption to the 12-month and \$2 million statutory limits. On September 27, 2013, the U.S. Environmental Protection Agency ("EPA") On-Scene Coordinator ("OSC") requested and was granted verbal authorization pursuant to the Comprehensive Environmental Resource, Conservation and Liability Act of 1980 ("CERCLA") to initiate a removal action. The total funding, verbally authorized for this action, was \$600,000, of which \$500,000 is for mitigation contracting. The removal action was initiated on September 27, 2013. This Action Memorandum requests approval of an additional \$3,480,000, of which \$2,500,000 is for mitigation contracting. Approval of this increase will raise the total project ceiling to \$4,080,000, of which \$3,000,000 is for mitigation contracting.

EPA has identified numerous hazardous substances on-site which present an imminent and substantial endangerment to public health, or welfare, or the environment. The additional funding requested in this memorandum is necessary to complete the ongoing removal action and mitigate threats posed by these materials. Over 2,000 drums, totes, and other various sized

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containers have been identified on-site. Many of the containers are in deteriorated condition and are leaking.

Conditions at the Site continue to meet the criteria for a removal action under CERCLA, as amended and documented in Section 300.415(b)(2) of the National Contingency Plan ("NCP"). The Site is not on the National Priorities List ("NPL") nor is it currently proposed for inclusion on the NPL. There are no nationally significant or precedent setting issues associated with this removal action.

II. SITE CONDITIONS AND BACKGROUND

The Comprehensive Environmental Response, Compensation and Liability Information System identification number for the Site is NJD986630705.

A. Site Description

1. Removal site evaluation ("RSE")

On August 29, 2013, the New Jersey Department of Environmental Protection ("NJDEP") notified the EPA Region 2 Regional Emergency Operations Center of deteriorated conditions at the Superior Barrel and Drum Site, a former drum and container reconditioning facility and wholesale industrial supplier. This facility is not served by any public utilities and appears to have been abandoned. NJDEP Emergency Response personnel requested the assistance of EPA OSCs with investigating conditions of containers at the facility.

On August 30, 2013, EPA OSCs met with NJDEP and Gloucester County officials at the Site. Thousands of containers, mostly 275-gallon totes and 55-gallon drums, were observed along a public road (Jacob Harris Lane) which borders the Site as well as in the woods, wetlands, and elsewhere throughout the property. Drums and other containers were stacked several high in numerous locations and were in various states of deterioration. Many containers were found to be leaking, void of tops, exposed to weather elements, rusted, damaged due to gunshots, stored improperly, and laying on their sides. Some containers were found in standing water. Numerous trailers, most of which are heavily damaged, were also found to be open and containing numerous 55-gallon drums. Thermal imaging indicated that most of the containers throughout the Site were full of contents, but the majority was not labeled. Labels on several of the containers indicated that their contents were flammable liquids, corrosives, marine pollutants, flammable solids, oxidizers or non-hazardous materials. County officials indicated that attempts to reach the property owner had failed numerous times. The owner had filed for bankruptcy in 2012 but the case was dismissed due to lack of information provided by the plaintiff. Elk Township was planning foreclosure proceedings in summer 2012 due to back property taxes owed, however the Gloucester County Fire Marshal's Office recommended not doing so due to site conditions.

NJDEP collected samples from four random 55-gallon drums and analyzed them using field screening tests, including photo-ionization detection and hazardous material

categorization ("HazCat") analysis. Results indicated that the materials were corrosive and highly flammable, and had high levels of volatile organic compounds ("VOCs").

NJDEP referred the Site to EPA on August 30, 2013 due to the conditions at the Site, including container contents spilled in wetlands, contents pooling alongside the road, and unsecured access to the facility. On August 30, 2013, EPA contacted the property owner, who also owns the on-site business, to request access to perform an assessment and investigation of container contents. The property owner stated that all containers located inside the on-site building contained non-hazardous materials, while the contents of the containers located outside the building were unknown.

Following numerous attempts to obtain access to the Site from the property owner and issuance of an Administrative Order to the property owner for Site access, on September 12, 2013, EPA obtained an Administrative Warrant for entry onto the Superior Barrel and Drum Site from a United States Magistrate Judge. The warrant allows for entering, investigating and securing the property as well as sampling of containers located on-site.

On September 13, 2013, the EPA Removal Action Branch ("RAB") initiated a removal assessment of the Site. As part of these operations, samples were collected from a random selection of containers throughout the Site for HazCat field analysis with assistance from EPA Removal Support Team ("RST") and Emergency and Rapid Response Services ("ERRS") contractors. Between September 13 and 27, 2013, a total of 252 containers were opened and aliquots of the contents were collected for HazCat analysis. The analysis indicated the presence of oxidizers, flammable liquids, flammable solids and combustible liquids within containers on-site. Many of the containers contained multiple phases of material (i.e., liquids, sludges and solids), and handheld monitoring equipment indicated that vapor phase within the head space of many of the containers had high concentrations of VOCs.

A total of 84 samples (including six Quality Assurance/Quality Control samples) from 79 containers were sent off-site for confirmatory laboratory analysis. Environmental samples, including 36 surface soil and 4 surface water samples, were also collected and sent for confirmatory laboratory analysis. The analysis identified the presence of numerous CERCLA-designated hazardous substances within the on-site containers, surface soil and surface water, including benzene, toluene, trichloroethylene, ethylbenzene, xylenes, polychlorinated biphenyls ("PCBs") and lead. Many of these compounds were found in containers that are actively leaking onto surface soils. Similarities between the hazardous substances found within the containers and the soil verifies that the on-site soil contamination is attributable to releases from the containers.

In addition to the HazCat and laboratory analyses, a container count was conducted. Approximately 2,000 containers were identified, not including hundreds of drums within deteriorated trailers which were physically unsafe to access. A large proportion of the containers were weathered and in poor condition. Drums were found to be bulging, punctured, rusted, and void of tops. Several drums and containers were found in standing water throughout the property, and many were located within the on-site wetlands. These

wetlands are included in the National Wetlands Inventory, administered by the U.S. Fish and Wildlife Service.

Based on the results of the removal assessment and failed attempts to reach the property owner, on September 27, 2013, EPA obtained an Administrative Warrant for a removal action at the property from a United States Magistrate Judge. In addition to entering the property, securing the Site and sampling various media, the warrant allows for removal of containers of hazardous substances, decontamination of tanks, clean-up of chemical storage and process areas, off-site disposal of all materials removed from the site and further assessment to determine if additional response actions are necessary.

Following receipt of the Administrative Warrant for a removal action, EPA initiated a removal action at the Site on September 27, 2013. The removal action is currently ongoing.

2. Physical location

The Site is located at 798 Jacob Harris Lane, also known as 830 Jacob Harris Lane (formerly New Jersey Avenue), in Elk Township, Gloucester County, New Jersey (coordinates 39.6869, -75.132314; Block 30, Lot 4). A Site Location Map is included as Attachment A. Jacob Harris Lane is a public, mostly paved road which becomes an unpaved dirt road approximately 650 feet north of the Site; the entrance to the Site is along the dirt road. The facility consists of one main processing building and numerous trailers located throughout the 5.51-acre property. The Site is bordered to the north by Industrial Drum Company, a competitor in the drum reconditioning business. A chain-link fence separates the two properties. Jacob Harris Lane marks the eastern boundary of the Site, beyond which is a densely forested private property. To the south are private, undeveloped lands which are also densely wooded with several marshy areas. The Site is bordered to the west by undeveloped, densely forested land and State Route 55, a major highway. The closest residential properties are located approximately 0.25 mile east and southeast of the Site along Whig Lane. These properties obtain potable water from private wells.

3. Site characteristics

The on-site business, Superior Barrel and Drum Co. Inc., also referred to as Superior Drum and Barrel, began as a sole proprietorship in 1974 and was incorporated in 1979. It is listed in commercial directories for the sale of new and reconditioned drums and wholesale industrial supplies as well as "other metal container manufacturing." Historic aerial photographs indicate that the Site was undeveloped and densely forested prior to 1970.

Currently, the Site facility is inoperable and is not served by any public utilities. It has been reported that the last known operational activity occurred in 2012, although local citizens have indicated that the property owner was present on-site as recently as summer 2013. Several companies have been to the property in recent years to remove machinery and equipment. The Site is open to persons traveling along Jacob Harris Lane. The Site is

unsecured from all directions and evidence of trespassers has been noted. All doors of the main building and trailers are unlocked and were found to be open during the initial Site visit.

The Site consists of two operational areas. The main area consists of a permanent, industrial single-story steel building approximately 12,100 feet in size, which is surrounded by an unpaved gravel and dirt lot. The building was constructed from 1994 to 1995, following the collapse of an original on-site building which was present from 1987 through 1994. The current on-site building was formerly utilized to receive, rinse and recondition drums and other containers for future market. This main area is approximately 2.4 acres, and containers are located throughout, mostly along the tree line. Nine deteriorated trailers are also spread throughout this area, including an abandoned office trailer, an abandoned office/residential trailer, four trailers which are full of 55-gallon drums and three trailers which are empty. An additional operational area, referred to as Area 3, is located to the south of the main area, and is separated by undeveloped wooded land. This additional area is approximately 0.32 acre in size and has been utilized for densely-packed storage of full 275-gallon totes and 55-gallon drums, as well as two trailers which contain drums and other containers. Both areas show signs of impact from leaking containers, including visible spills, filmy substances covering standing water, and stressed vegetation. The remaining portions of the property lot are undeveloped and densely wooded. Parts of the southern portion of the lot are federally-designated wetlands, including an area which extends from the southwest corner of the on-site building to the southern tree line of the main operational area.

This facility has not been owned or operated by any federal, State or local government entity. This is the first removal action undertaken by EPA at the Site.

4. Release or threatened release into the environment of a hazardous substance, or pollutant, or contaminant

Actual and threatened releases of hazardous substances from containers at the Site have been documented. The HazCat analysis indicated that container contents are highly flammable, corrosive, combustible, and/or oxidizers. Results of laboratory analysis of samples collected from multiple containers indicate the presence of numerous CERCLA-designated hazardous substances, including toluene up to 22,000,000 parts per billion ("ppb"), benzene up to 2,200,000 ppb, trichloroethylene ("TCE") up to 550,000 ppb, tetrachloroethylene ("PCE") up to 300,000 ppb and lead up to 2,800 parts per million.

These results are included as Attachment B. Labels on several drums indicated that the contents include flammable liquids, corrosive substances, marine pollutants, flammable solids and oxidizers. Containers were found to be leaking, void of tops, exposed to weather elements, rusted, damaged due to gunshots, stored improperly, and laying on their sides. Some of the drums were bulging. Several of the containers were found in standing water in a federally-designated wetland. Contents from the containers were found to be spilled onto the surface soil and wetlands and pooling along the roadside adjacent to the facility. Two ponds and a creek are present on the property downgradient of the container storage areas.

The hazardous substances listed below were observed to be present at the Site during the removal site evaluation in September 2013.

Compound	Statutory Source for a Hazardous Substance			
	311(b)(2) CWA*	307(a) CWA*	112 CAA**	3001 RCRA***
Benzene	X	X	X	X
Toluene	X	X	X	X
Trichloroethene	X	X	X	X
Tetrachloroethene		X		X
Lead		X	X	X

*Clean Water Act Section 311(b)(2) and/or Section 307(a)

**Clean Air Act Section 112

***Resource Conservation and Recovery Act ("RCRA") Section 3001

Numerous mechanisms for releases to the environment stem from historic poor handling practices, improper storage of materials and abandonment or discarding of hazardous substances, pollutants or contaminants. Along with poor housekeeping, most containers are located in unsecured areas and are exposed to adverse weather elements. Potential routes of exposure to these materials include dermal contact, ingestion, and inhalation. In addition, in the event of a fire on-site, the hazardous substances noted above can be released into the air which may result in their migration into adjacent properties and nearby residential properties. Trespassers entering the building can come in direct contact with hazardous substances and can track/transport the contamination off-site.

Continued exposure of the drums to excessive moisture and temperature extremes will cause the 55-gallon drums on-site to further corrode and bulge. The freezing and expanding of drum contents may result in additional releases during thaw cycles. Contaminants can migrate into the environment through air entrainment of particulates or surface water runoff. Releases from containers within the on-site building may migrate to the trench drain along the north portion of the on-site building or the floor drain in the west area of the building. The outfall for the trench drain, if existing, is unknown. The floor drain outfall is the undeveloped, soil and grass-covered ground directly to the west of the on-site building. A pipe, which does not appear to be connected to either of these drains, has been observed in the wooded wetland area of the property, and any release running through it may migrate to the wetlands. Due to the large amount of containers covering the floor within the on-site building, it is unknown if additional floor drains are present.

These mechanisms will continue the spread of contamination from the Site unless the actions proposed in this memorandum are implemented.

5. National Priorities List ("NPL") Status

The Site is not on the NPL, nor is it proposed for NPL listing at this time.

6. Maps, pictures and other graphic representations

A Site Layout and Area Designation Map which shows the container storage areas are included as Attachment C. Photographs documenting the conditions of the containers are included as Attachment D to this Action Memorandum.

B. Other Actions to Date

1. Previous actions

No previous actions have been taken by EPA or any other federal, State or local entity to address the compromised containers of hazardous substances located at the Site.

2. Current actions

On September 12, 2013, EPA obtained access to the Site through the issuance of an Administrative Warrant.

On September 13, 2013, RST personnel initiated a facility container count. Over 2,000 containers were visible. The ERRS contractor mobilized equipment to the Site to safely move drums and containers on-site to facilitate the counting, inspection and sampling activities. ERRS also constructed a field laboratory for performing HazCat analysis of samples being collected.

On September 14, 2013, EPA and contractors reconvened at the Site. A walkthrough was conducted and the eastern border of the property was secured by installing high-visibility temporary fencing along Jacob Harris Lane. Warning signs were posted, and fire extinguishers were brought to the Site and placed in key locations.

From September 16 through 27, 2013, ERRS contractors moved and staged containers throughout the Site to allow them to be viewed and sampled more easily and safely. When a container was found to be leaking, bulging, crystallizing, labeled as a hazardous substance or with foreign text, or exhibiting/containing an interesting feature it was noted to be a HazCat candidate. Utilizing thermal imagery to gauge the volume of material within the containers, those that were empty or containing a very small amount of material were not opened while the others were opened by field teams wearing Level B personal protective equipment. The container type, condition, readings from field instruments and any markings or labels were recorded. Aliquots of material collected were taken to an on-site laboratory. A chemist, using the HazCat identification system, field tested the material to determine if certain properties were present, including whether the material could be considered to be corrosive, acidic, basic, a potential oil, a chlorinated solvent, containing PCBs, flammable or an oxidizer. The HazCat analysis identified oxidizers, flammable liquids, flammable solids and combustible liquids on-site. Confirmatory laboratory analysis performed on these samples later identified the presence of numerous CERCLA hazardous substances, including benzene, toluene, trichloroethylene, ethylbenzene, xylenes, PCBs and lead. Many of these compounds were found in containers that are actively leaking onto surface soils.

Samples of surface soils and surface waters were also collected and sent for analysis. Results showed beyond a reasonable doubt that the materials on-site contain hazardous substances. Results also showed that surface soils were impacted with the same compounds as those found inside the containers.

Based on the results of the removal assessment, EPA determined that a removal action is warranted to address the presence of hazardous substances in the on-site containers and contaminated soil. On September 27, 2013, EPA obtained an Administrative Warrant and a verbal authorization to conduct the removal action. This marked the commencement of the removal action. Since September 27, 2013, moving, inspection and sampling of drums and containers has been occurring, and samples are being field-tested using HazCat analysis to determine how container contents can be consolidated prior to shipment off-site for proper disposal.

C. State and Local Authorities' Roles

1. State and local actions to date

NJDEP inspected the Site numerous times between 2009 and 2013 and continually requested that the property owner conduct a cleanup of the on-site deteriorated containers. Following a 6-month period of non-conformance with recommendations, NJDEP issued a Notice of Violation ("NOV") to the Superior Barrel and Drum Company in June 2013 for the illegal operation of solid waste facility. The NOV failed to be delivered to the property owner due to abandonment of the facility. In August 2013 the Gloucester County Fire Marshal's Office visited the property by request of Elk Township officials, who were preparing resolutions for foreclosure proceedings on the property due to unpaid taxes. The Gloucester County Fire Marshal's Office inspected the property and contacted the Gloucester County Hazardous Materials Response Unit ("Haz-Mat") on August 10, 2013 to perform a visit. Following an investigation and minor field screenings, Haz-Mat notified NJDEP Bureau of Emergency Response ("NJDEP BER"). By August 24, 2013 NJDEP BER visited the property. On August 29, 2013, NJDEP BER collected samples from four random containers and conducted field screening tests on them. The results indicated flammable substances, toluene-based materials, and high pH solutions existed in the containers. NJDEP requested the assistance of EPA on August 29, 2013 with investigating conditions of containers at the facility, and referred the Site to EPA on August 30, 2013.

2. Potential for continued State/local response

The Gloucester County Fire Marshal's Office ("Office") will continue to visit the Site and review operational activities conducted by EPA. The Office will provide any necessary logistical support and act as a liaison to other governmental partners, including the Gloucester County Haz-Mat Office, local Fire Department, and Elk Township Police Department. NJDEP will continue to visit the Site on a weekly basis. NJDEP personnel will generate updates and reports to inform State partners of on-going activities. NJDEP will also continue to provide EPA background information, previous inspection notes, and any additional pertinent information that may aid in the removal action or

enforcement activities. NJDEP will also assist in obtaining information from potential generators and transporters of waste to and from the Site.

III. THREATS TO PUBLIC HEALTH, OR WELFARE, OR THE ENVIRONMENT, AND STATUTORY AND REGULATORY AUTHORITIES

Conditions at the Site meet the requirements of 40 CFR Section 300.415(b) for implementing a CERCLA removal action. Factors from the NCP that support a removal action at this Site are provided below.

A. Threats to Public Health or Welfare

(i) *Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances, or pollutants, or contaminants.*

Analysis of contents of containers found at the Site has identified flammable liquids, corrosives and hazardous substances including benzene, toluene, trichloroethene, PCBs and lead. Several of these containers have been compromised and/or have leaked, allowing for actual or potential exposure to nearby human and animal populations. Anyone trespassing on the Site or nearby areas could become contaminated with hazardous substances and track/transport them to off-site areas, causing others to be exposed. The Site is located along a public road, which is routinely traversed by people traveling to the property further south of the Site, for which there is no other entrance. Residences are located less than 0.25 mile away along Whig Road and less than 0.5 mile from the Site along Aurora Road. A business is located approximately 150 feet north of the Site.

If any on-site containers or the site building were to catch fire, the plume created by the combustion of the containers' contents would release CERCLA-designated hazardous substances into the air that could migrate into surrounding residences and businesses, potentially presenting an immediate inhalation threat to residents, emergency responders and employees of the nearby business. Due to the lack of a functioning sprinkler system or other fire suppression systems on-site (aside from fire extinguishers placed by ERRS contractors), the fire could burn uncontrolled until emergency responders could arrive.

(iii) *Hazardous substances, or pollutants, or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release.*

Over 2,000 drums, industrial totes, aboveground storage tanks and other containers are present on-site. Many of these containers are significantly deteriorated. Hazardous substances and characteristic wastes are present in a large portion of the compromised containers, and all containers are unsecured and exposed to adverse weather conditions, flooding and temperature extremes. These containers pose a threat of release. Several containers have already leaked and/or have been voided of contents.

(v) *Weather conditions that may cause hazardous substances, or pollutants, or contaminants to migrate or be released.*

Several containers were found to be without covers or with covers that are ajar, or have holes on the sides. Precipitation entering the containers may cause the material stored inside to overflow and spill onto the ground surface, which is unpaved. This material can then make its way via surface water runoff to the nearby creek, ponds and wetlands, or can soak down into the water table. The material can then migrate and contaminate downgradient properties if a removal action is not taken. The pending winter conditions and freeze/thaw cycles increase the possibility that the contents of the drums and containers will leak, or the containers may become more degraded due to cold extremes and weathering.

(vi) *Threat of fire or explosion.*

HazCat techniques indicated that numerous containers hold material that is extremely flammable. Should this material come into contact with an ignition source, a fire or explosion could occur. As significant quantities of combustible materials, both hazardous and non-hazardous, are located on-site, a fire or explosion in one area of the Site may create a chain reaction, igniting nearby drums and other materials. The resultant fire and/or explosion may be catastrophic. The plume created by a fire and/or explosion on-site could easily migrate off-site into neighboring residences and businesses, causing widespread exposure to airborne contaminated particles. Furthermore, water used by firefighters, in the event of a fire, would become contaminated by site materials and enter the nearby creek and wetlands, potentially impacting other nearby surface water areas.

(vii) *The availability of other appropriate federal or State response mechanisms to respond to the release.*

To date, Elk Township, Gloucester County and NJDEP have not addressed the containers at the Site and have requested EPA assistance in conducting a removal action. There are no State or local response actions expected to mitigate the threats to public health or the environment on the Site. EPA is the only government agency capable of taking a timely and appropriate action to respond to the threat posed by the presence of hazardous substances on the Site.

B. Threats to the Environment

The Site is located in a mixed rural, commercial, industrial and residential area. According to the U.S. Fish and Wildlife Service, endangered species, including the Swamp Pink, are located 500 feet from the southern border of the Site. The facility also sits partially on federally declared wetlands. Since a release has occurred and there is a potential for additional releases, the natural flora and fauna in the surrounding areas may be negatively impacted. Partially dead trees and stressed vegetation are present on-site surrounding one of the main drum storage areas (Area 3) where multiple drums are leaking unknown substances and the water table is close to the surface. A release may also cause hazardous substances to be transported off-site via surface water run-off.

IV. ENDANGERMENT DETERMINATION

Actual and potential releases of hazardous substances from the Site may present an imminent and substantial endangerment to public health, or welfare, or the environment.

V. EXEMPTION FROM STATUTORY LIMITS

Conditions at the Site meet the criteria for an emergency exemption under CERCLA 104(c). Based on the volume of material present on-site, the logistical difficulties in stabilizing containers, and the uncertainty of available, approved off-site disposal facilities, Site activities may exceed the 12-month statutory limit for a removal action. The threat to human health and the environment posed by the contamination found at the Site warrants a 12-month exemption and \$2 million exemption.

A. Emergency Exemption

1. There is an immediate risk to the public health, or welfare, or the environment;

Over 2,000 containers, including industrial totes and drums, have been discovered on-site posing an immediate risk to public health or welfare or the environment. Many of them have been found to contain designated hazardous substances which have released or pose a serious threat of release into the environment. Continued exposure of the containers to the weather is of immediate concern. Many of the containers have already been corroded by exposure to the elements. Further exposure to extreme heat and cold, precipitation and wind will advance the deterioration of the containers and could result in additional releases to the environment.

The Site is located in a wooded area with several business and residential properties nearby. Lands surrounding the Site are privately held and used for hunting purposes by their respective owners. The containers located on-site pose an immediate risk to those individuals, as well as the local flora and fauna that are listed endangered species located in the federally-designated wetland. Easily ignitable and explosive substances with flashpoints below 70°F have been identified in numerous deteriorating 275-gallon totes and 55-gallon drums. Incompatible substances are stored next to, and on top of, each other, presenting a high risk of fire/explosion. Acts of vandalism and trespassing are evident throughout the Site and clandestine illegal drug manufacturing has been identified in one of the on-site trailers. A fire or explosion at the Site could consume containers of hazardous and unknown substances, and subsequent spread of toxic fumes to commercial and residential communities located nearby would greatly impact human health.

2. Continued response actions are immediately required to prevent, limit, or mitigate an emergency; and

The threats posed by the drums and containers on-site are significant. Continued response actions by EPA are immediately required to mitigate these threats. The removal action

began on September 27, 2013 and is ongoing. EPA has secured many of the drums and containers on-site since that time. However, additional containers are yet to be uncovered and stabilized. Should these containers remain on-site and not be secured by EPA, it is likely to result in a release of hazardous substances to the environment.

3. Assistance will not otherwise be provided on a timely basis.

Assistance from outside agencies will not be provided on a timely basis. The State of New Jersey does not have the resources required to undertake such a response action as proposed in this Action Memorandum on a timely basis. EPA will continue to conduct the necessary removal actions until the threats are mitigated. A potentially responsible party has been identified but has been uncooperative with EPA.

VI. PROPOSED ACTIONS AND ESTIMATED COSTS

A. Proposed Actions

1. Proposed action description

The purpose of this removal action is to eliminate the threats to public health and the environment associated with the release or threat of release of hazardous substances at the Site. The proposed scope of work for the removal action includes the removal and off-site disposal of all containers, container contents and grossly contaminated soil in container storage areas.

EPA proposes to complete HazCat analysis on all on-site materials and then bulk the materials to consolidate wastes with similar characteristics, if possible. The contents of all containers will be transferred to Department of Transportation shippable containers to prevent additional spillage of materials during transport. Materials will be transported to proper hazardous waste disposal facilities that are awarded a transport and disposal bid through the ERRS contractor. All spent containers, which will be RCRA-empty, as well as non-hazardous site wastes resultant from EPA's removal operations, will also be shipped off-site for proper disposal.

Soil samples will be collected in areas that have been impacted from spilled materials. Samples will be shipped to approved laboratories for analysis of VOCs, Semi-volatile Organic Compounds ("SVOCs"), Total Analyte List metals and additional parameters. The analytical data will dictate the amount of contaminated soil that is necessary to remove.

Disposal of materials will be conducted following HazCat of all container contents, bulking of materials, collection of composite samples, and receipt of analytical results of the bulked materials. All disposal and transportation of contents to off-site facilities will be conducted in accordance with the CERCLA Off-Site Rule. Following removal and disposal of containers and contaminated media, no post-removal Site controls are anticipated.

2. Contribution to remedial performance

Based on available information, the proposed actions will not impede future responses.

3. Engineering Evaluation/Cost Analysis ("EE/CA")

Due to the time-critical nature of this removal action, an EE/CA has not been prepared.

4. Applicable or relevant and appropriate requirements ("ARARs")

ARARs within the scope of this removal action, including the RCRA and the Hazardous Materials Transportation Uniform Safety Act regulations that pertain to the disposal of hazardous wastes, will be met to the extent practicable.

5. Project schedule

Response actions at the Site commenced on September 27, 2013 and are continuing. Staging of the drums and containers to facilitate access, collection of aliquots from each container and HazCat of the samples is expected to continue through December 2013. Setup for bulking activities as well as the bulking/consolidation itself is expected to span more than three months. Sampling and laboratory analysis of bulked waste streams will be required to properly characterize waste materials for appropriate treatment and disposal. Following receipt of waste stream analytical results, shipment of materials off-site is expected to be completed in spring 2014. The removal action may extend beyond September 27, 2014, necessitating a 12-month exemption.

B. Estimated Costs

EXTRAMURAL COSTS	Funding Verbally Authorized on 9/27/2013	Ceiling Increase Requested	Total Funding Requested
<i>Regional Removal Allowance Costs</i>			
Total Cleanup Contractor Costs (including labor, equipment, materials and a 20% contingency)	\$500,000	\$2,500,000	\$3,000,000
<i>Other Extramural Costs Not Funded from the Regional Allowance</i>			
Total Contract Laboratory Program, Removal Support Team, Atlantic Strike Team	\$100,000	\$300,000	\$400,000
Subtotal, Extramural Costs	\$600,000	\$2,800,000	\$3,400,000
Extramural Costs Contingency (20% of Subtotal, Extramural Costs, rounded to nearest 1,000)	\$0	\$680,000	\$680,000
TOTAL REMOVAL ACTION PROJECT CEILING	\$600,000	\$3,480,000	\$4,080,000

VII. EXPECTED CHANGE IN THE SITUATION SHOULD ACTION BE DELAYED OR NOT TAKEN

A delay in action or no action at the Site would increase the actual and potential threats to public health and the environment.

VIII. OUTSTANDING POLICY ISSUES

There are no known outstanding policy issues associated with the Site at the present time.

IX. ENFORCEMENT

As noted in the RSE section of this Action Memorandum, access to the Site and authorization to conduct a removal action were provided under a Warrant issued by the United States District Court.

To date, no potentially responsible parties ("PRPs") have been identified that are capable of conducting the required removal action. PRP search activities will continue in an effort to identify PRPs that can take-over the on-going removal action, conduct future response actions or reimburse EPA for response costs.

Based on full cost accounting practices, the total EPA costs for this removal action that will be eligible for cost recovery are estimated to be \$5,875,509. The following chart describes the costs which EPA believes are eligible for cost recovery as part of this response action.

Cost Type	Funding Requested in this Action Memorandum
Direct Extramural Costs	\$4,080,000
Direct Intramural Costs	\$ 350,000
Subtotal, Direct Costs	\$4,430,000
Indirect Costs (Indirect Regional Cost Rate 32.63%)	\$1,445,509
Estimated EPA Costs Eligible for Cost Recovery	\$5,875,509

Note: Direct costs include direct extramural costs and direct intramural costs. Indirect costs are calculated based on an estimated indirect cost rate expressed as a percentage of site-specific direct costs, consistent with the full cost accounting methodology effective October 2, 2000. These estimates do not include pre-judgment interest, do not take into account other enforcement costs, including Department of Justice costs, and may be adjusted during the course of a removal action. The estimates are for illustrative purposes only and their use is not intended to create any rights for responsible parties. Neither the lack of a total cost estimate nor deviation of actual costs from this estimate will affect the United States' right to cost recovery.

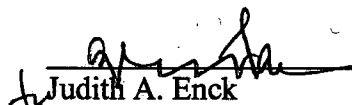
X. RECOMMENDATION

This decision document represents the selected removal action for the Superior Barrel and Drum Site in Elk Township, New Jersey, developed in accordance with CERCLA as amended, and is not inconsistent with the National Contingency Plan. This decision is based on the administrative record for the Site.

Conditions at the Site meet the NCP section 300.415(b) criteria for a removal action and the CERCLA Section 104(c) emergency exemption from the \$2 million and 12-month limitations. The total project ceiling verbally authorized to date is \$600,000, of which \$500,000 is for mitigation contracting. This Action Memorandum requests an approval of an additional \$3,480,000, of which \$2,500,000 is for mitigation contracting. Approval of this increase will raise the total project ceiling to \$4,080,000, of which \$3,000,000 is for mitigation contracting. There are sufficient monies in the Regional removal advice of allowance to fund this project.

Please indicate your formal approval of the verbal authorization, ceiling increase, and specified exemptions granted for the emergency removal action at the Superior Barrel and Drum Site, as per current Delegation of Authority, by signing below.

Approved: _____


Judith A. Enck
Regional Administrator

Date: 11/22/13

Disapproved: _____

Judith A. Enck
Regional Administrator

Date: _____

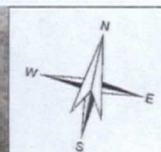
cc: (upon approval)

L. Plevin, ORA
G. Pavlou, ORA
W. Mugdan, ERRD-DD
J. LaPadula, ERRD-DD
J. Rotola, ERRD-RAB
E. Wilson, ERRD-RAB
B. Grealish, ERRD-RAB
C. Petersen, ERRD-NJRB
D. Karlen, ORC-NJSFB
W. Tucker, ORC-NJSFBM. Mears, PAD
K. Giacobbe, OPM-GCMB
M. Fiore, OIG
T. Grier, 5202GR. Van Fossen, NJDEP
E. Putnam, NJDEP
F. Mumford, NJDEP
A. Raddant, USDOJ
L. Rosman, NOAA
R. Craig, RST

**ACTION MEMORANDUM FOR THE
SUPERIOR BARREL AND DRUM SITE
ELK, GLOUCESTER COUNTY, NJ
SITE ID A23K**

ATTACHMENT A

Site Location Map



SCALE
1:480

- LEGEND
- Air Monitoring Station
 - Site Areas
 - Parcel Boundary (approximate)

Figure 1: Site Layout and Area Designations

SUPERIOR BARREL AND DRUM
ELKTON, MD. HICKORY COUNTRY, MD. 21871
UNITED STATES ENVIRONMENTAL
PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

In Association With:

Ames Environmental, LLC

Intertek Technology Solutions, Inc. &

Scientific and Environmental Associates, Inc.

PROJECT: ELKTON, MD.

DATE: 11/11/06

BY: J. L. HARRIS

FOR: U.S. EPA

PROJECT: ELKTON, MD.

DATE: 11/11/06

BY: J. L. HARRIS

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PROJECT: ELKTON, MD.

DATE: 11/11/06

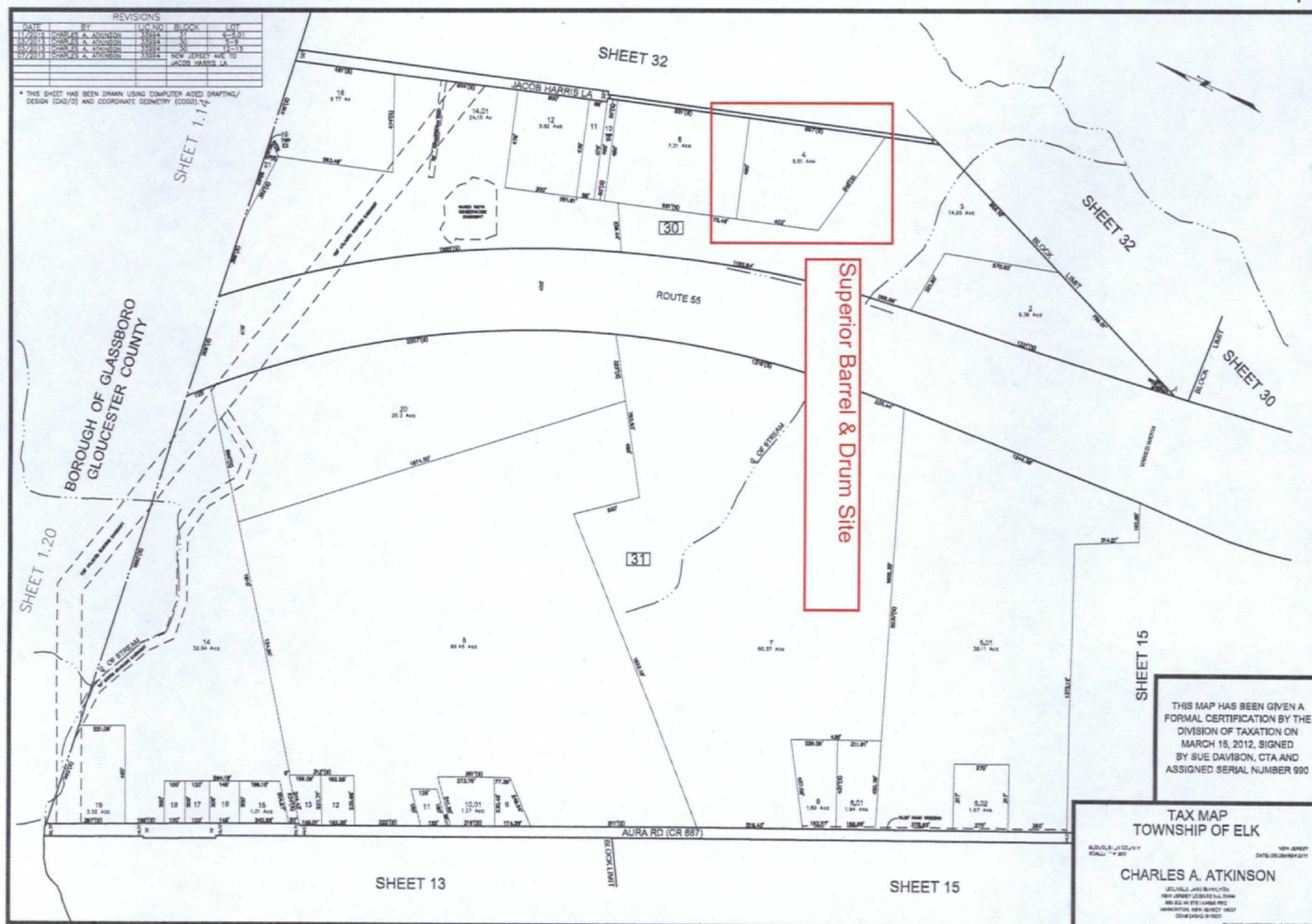
BY: J. L. HARRIS

FOR: U.S. EPA



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ACTION MEMORANDUM FOR THE
SUPERIOR BARREL AND DRUM SITE
ELK, GLOUCESTER COUNTY, NJ
SITE ID A23K

ATTACHMENT B

Laboratory Analytical Results

Table 1
Preliminary Analytical Data Summary Table - TCL VOCs
Superior Barrel and Drum Site
September 2013

RST Sample ID	P001-TW-1001-1	P001-TW-1002-1	P001-TW-1003-1	P001-TW-1004-1	P001-TW-1005-1	P001-TW-1006-1	P001-TW-1007-1	P001-TW-1008-1	P001-TW-1009-1	P001-TW-1010-1	P001-TW-1011-1
CLP Sample ID	BAZS5	BAZS6	BAZS7	BAZS8	BAZS9	BAZT0	BAZT1	BAZT2	BAZT3	BAZT4	BAZT5
Area	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01
Sampling Date	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013
Sample Matrix (Units)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-tetrafluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	830,000	ND	4,000,000 E	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	64,000	ND
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	ND	83,000	ND	ND	ND	100,000	ND	32,000	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	ND	ND	ND	ND	430,000	ND	ND	16,000 J	ND	110,000	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	71,000	ND	ND	ND	ND	19,000 J	ND
1,2-Dichloroethane	ND	ND	ND	ND	20,000 J	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichlorocyclopentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	150,000	ND	ND	ND	ND	ND	51,000	ND	ND	ND
Toluene	ND	600,000	44,000	210,000	3,600,000 E	97,000	17,000 J	1,700,000 E	ND	3,400,000 E	12,000 J
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	200,000	ND	20,000 J	110,000	ND	ND	33,000	ND	510,000	24,000 J
m,p-Xylene	ND	690,000	ND	71,000	380,000	ND	ND	140,000	ND	1,800,000 E	130,000
o-Xylene	ND	390,000	ND	26,000	130,000	ND	ND	55,000	ND	550,000	52,000
Styrene	70,000,000 E	51,000	97,000	30,000	ND	89,000	ND	120,000	ND	44,000	25,000 J
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	15,000 J	ND	ND	ND	ND	35,000	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are Bolded.
E - Sample concentrations exceed the upper level of the calibration range.
J - Indicates the reported value is an estimate.
ND - Indicates the analyte was analyzed for but not detected.
DF - Dilution Factor
NA - Not Applicable

Table 1
Preliminary Analytical Data Summary Table - TCL VOCs
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-TW-1012-1	P001-TW-1013-1	P001-TW-1014-1	P001-TW-1015-1	P001-TW-1015-2	P001-DW-1016-1	P001-DW-1019-1	P001-DW-1024-1	P001-DW-2001-1	P001-DW-2003-1	P001-DW-2004-1
CLP Sample ID	BAZ76	BAZ77	BAZ78	BAZ79	BAZ70	B8004	B8005	B8006	BAZQ1	BAZQ2	BAZQ3
Area	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area02	Area02	Area02
Sampling Date	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/20/2013	9/20/2013
Sample Matrix (Unit)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroacetylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	5,300,000 E	ND	ND	ND	ND	ND	3,300,000 E	5,700,000 E	ND	1,300	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND	370,000	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	19,000 J	23,000 J	20,000 J	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	ND	ND	ND	ND	ND	26,000,000 E	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	12,000 J	12,000 J	ND	44,000	28,000 J	ND	2,100	ND
1,1,1-Trichloroethene	14,000 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	ND	ND	18,000 J	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	550,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	ND	ND	ND	ND	ND	ND	190,000	ND	ND	ND	ND
1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichlorocyclohexene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	12,000,000 E	ND	12,000,000 E	ND	ND	ND
Toluene	570,000	69,000	600,000	210,000	210,000	15,000,000 E	15,000,000 E	22,000,000 E	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dihydrodibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dihydrocyclohexene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	230,000	250,000	30,000	360,000	350,000	790,000	7,400,000 E	7,400,000 E	ND	ND	ND
m-Xylene	960,000	590,000	190,000	1,600,000 E	1,500,000 E	3,100,000 E	14,000,000 E	19,000,000 E	ND	ND	ND
p-Xylene	290,000	120,000	33,000	650,000	630,000	1,100,000	8,900,000 E	8,600,000 E	ND	ND	ND
Styrene	16,000 J	ND	ND	22,000 J	ND	790,000	670,000	ND	570,000	ND	640,000
Bromoforn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	23,000 J	280,000	310,000	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibrom-1-chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	100 X DF	100 X DF	100 X DF	100 X DF	100 X DF	40 X DF	40 X DF	40 X DF	400 X DF		400 X DF

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are Bolded.
E- Sample concentrations exceed the upper level of the calibration range.
J - Indicates the reported value is an estimate.
ND - Indicates the analyte was analyzed for but not detected.
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NA - Not Applicable

Table 1
Preliminary Analytical Data Summary Table - TCL VOCs
Superior Barrel and Drum Site
September 2013

RST 1 Sample ID	P001-DW-2006-1	P001-DW-2006-2	P001-DW-2007-1	P001-DW-2011-1	P001-DW-2016-1	P001-DW-2020-1	P001-DW-2025-1	P001-DW-2034-1	P001-DW-2036-1	P001-DW-2041-1	P001-DW-2041-1
CLP Sample ID	BAZQ4	BAZQ5	BAZQ6	BAZQ7	BAZS4	BAZW1	BAZS1	BAZW1	BAZS1	BAZS1	BAZS1
Area	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02
Sampling Date	9/20/2013	9/20/2013	9/20/2013	9/20/2013	9/23/2013	9/24/2013	9/23/2013	9/24/2013	9/23/2013	9/23/2013	9/23/2013
Sample Matrix (Units)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Sludge Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	560,000	ND	550,000	70,000	ND	5,200,000 E	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	130,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	41,000 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	15,000 J
1,1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	ND	450,000	ND	35,000 J	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	330,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	17,000 J
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	65,000
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19,000 J
Benzene	85,000 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	140,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	350,000	ND	ND	ND	ND
Toluene	2,600,000	97,000 J	340,000	ND	160,000	15,000 J	140,000	730,000	ND	200,000	1,300,000 E
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	46,000 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bibenzene	83,000,000 E	1,900,000	1,500,000	ND	21,000 J	81,000	340,000	49,000	20,000 J	1,200,000 E	3,400,000 E
m,p-Xylene	250,000,000 E	13,000,000 E	5,600,000 E	88,000 J	82,000	230,000	1,100,000 E	91,000	81,000	8,000,000 E	8,700,000 E
o-Xylene	160,000,000 E	5,400,000 E	1,900,000	39,000 J	26,000	49,000	280,000	130,000	31,000	6,100,000 E	6,500,000 E
Styrene	ND	ND	5,300,000 E	ND	ND	ND	110,000	5,700,000 E	12,000 J	430,000	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1,200,000	ND	38,000 J	ND	ND	ND	ND	ND	ND	360,000	97,000
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	400 X DF	400 X DF	400 X DF	400 X DF	100 X DF	100 X DF	100 X DF	100 X DF	100 X DF	100 X DF	100 X DF

Notes:

All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are Unkilled.

E - Sample concentrations exceed the upper level of the calibration range.

J - Indicates the reported value is an estimate.

ND - Indicates the analyte was analyzed for but not detected.

DF - Dilution Factor

NA - Not Applicable

Table 1
Preliminary Analytical Data Summary Table - TCL VOCs
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-DW-2046-1	P001-DW-2047-1	P001-DW-2048-1	P001-DW-2050-1	P001-DW-2051-1	P001-DW-2058-1	P001-DW-2059-1	P001-DW-2060-1	P001-DW-2062-1	P001-DW-2063-1	P001-DW-2064-1
CL Sample ID	BAZW3	BOAG9	BAZW4	BAZW7	BAZW6	BAZX4	BAZX0	BAZY1	BAZX3	BAZX7	BAZR7
Area	Area01	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02
Sampling Date	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013
Sample Matrix (Unit)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	230,000	ND	ND	ND	ND	2,100,000	ND	550,000	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	200,000	ND	ND	ND
trans-1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	16,000 J	ND	ND	ND
Methyl tert-butyl ether	ND	ND	ND	ND	13,000 J	ND	ND	140,000	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	ND	ND	ND	ND	8,700,000 E	ND	15,000,000 E	ND	ND	ND
Isopropylchloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	12,000 J	76,000	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	ND	ND	ND	ND	ND	2,200,000 E	ND	ND	ND	ND	ND
Methylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	14,000 J	250,000	13,000 J	53,000	1,600,000 E	6,400,000 E	ND	3,300,000 E	ND	4,400	230,000
trans-1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	49,000	ND	ND	ND	ND	300,000
2-Heptanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	1,200,000 E	19,000 J	ND	47,000	1,400,000	ND	6,100,000 E	ND	1,100	ND
m-Xylene	ND	4,300,000 E	77,000	11,000 J	150,000	4,600,000 E	ND	14,000,000 E	ND	3,200	ND
p-Xylene	ND	2,100,000 E	30,000	ND	49,000	1,900,000 E	ND	6,300,000 E	ND	1,200	ND
Styrene	110,000	ND	ND	ND	43,000	14,000,000 E	ND	ND	ND	16,000	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	20,000 J	13,000 J	ND	14,000 J	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	140,000	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	19,000 J	1,100	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	76,000 J	430 J	ND	ND
1,2-Dibromo-3-chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	900	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	220 J	ND	ND
	100 X DF	100 X DF	100 X DF	100 X DF	100 X DF	40 X DF		40 X DF			100 X DF

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are Bolded.
E - Sample concentrations exceed the upper level of the calibration range.
J - Indicates the reported value is an estimate.
ND - Indicates the analyte was analyzed for but not detected.
DF - Dilution Factor
NA - Not Applicable

Table 1
Preliminary Analytical Data Summary Table - TCL VOCs
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-DW-2065-1	P001-DW-2067-1	P001-DW-2069-1	P001-DW-2073-1	P001-DW-2074-1	P001-DW-2076-1	P001-DW-2081-1	P001-DW-2086-1	P001-DG-2087-1	P001-DW-2090-1	P001-DW-2090-2
CLP Sample ID	BAZX8	BAZX5	BAZX8	BAZX9	BAZX6	BAZX9	BAZX9	BAZXJ	BAZY0	BB007	BB008
Area	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02
Sampling Date	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/27/2013	9/27/2013
Sample Matrix (Unit)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Sludge Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	1,400,000 E	ND	940,000	ND	ND	ND	1,600,000 E	1,100,000	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	14,000,000 E	ND	14,000 J	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Pentanone	16,000,000 E	ND	ND	ND	ND	ND	1,300,000	4,600,000 E	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	21,000 J	ND	ND	ND	ND	ND	ND	190,000	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	40,000	80,000
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35,000 J
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	100,000	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	ND	ND	ND	ND	ND	ND	1,700,000 E	ND	ND	1,900,000 E	2,500,000 E
Methylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	1,000,000	ND	ND	ND	ND	ND	ND	360,000	ND	ND	ND
Toluene	12,000,000 E	960,000	350,000	ND	ND	ND	1,700,000 E	10,000,000 E	750,000	3,700,000 E	4,200,000 E
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	11,000 J	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	55,000	ND	ND	ND
Ethylbenzene	7,100,000 E	1,600,000	77,000	1,100	ND	1,200,000	40,000	11,000,000 E	24,000,000 E	2,500,000 E	2,300,000 E
m,p-Xylene	20,000,000 E	6,800,000 E	200,000	3,600	ND	4,700,000 E	150,000	14,000,000 E	41,000,000 E	9,000,000 E	8,500,000 E
o-Xylene	11,000,000 E	3,200,000 E	61,000	1,300	ND	2,600,000 E	82,000	15,000,000 E	12,000,000 E	3,400,000 E	1,900,000 E
Styrene	2,400,000 E	15,000,000 E	1,300,000 E	390 J	ND	6,800,000 E	250,000	ND	680,000	1,700,000 E	1,800,000 E
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	950,000	ND	ND	330 J	ND	350,000	28,000	390,000	980,000	89,000	83,000
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are Bolded.
B - Sample concentrations exceed the upper level of the calibration range.
J - Indicates the reported value is an estimate.
ND - Indicates the analyte was analyzed but not detected.
DF - Dilution Factor
NA - Not Applicable

Table 1
Preliminary Analytical Data Summary Table - TCL VOCs
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-DW-2093-1	P001-DW-2094-1	P001-DW-2100-1	P001-DW-2112-1	P001-DW-2113-1	P001-TW-2115-1	P001-DW-2121-1	P001-DW-4006-1	P001-DW-5001-1	P001-DW-5002-1	P001-DW-5006-1
CLP Sample ID	BB009	BB010	BB011	BB012	BB013	BB014	BB015	BB016	BAZN1	BAZN2	BAZN3
Area	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area04	Area05	Area05	Area05
Sampling Date	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/18/2013	9/18/2013	9/18/2013
Sample Matrix (Unit)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.100
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	160,000	330,000	ND	ND	ND	ND	ND	ND	ND	3,000 J
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	150,000 F	47,000
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	ND	100,000	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	1,000,000 F	170,000 F	75,000	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	ND	750,000	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	7,300,000 F	30,000
Chloroform	51,000	ND	57,000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,500 J
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	1,700,000 F	26,000	130,000 F	ND
Benzene	ND	ND	ND	ND	20,000 J	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	29,000	11,000	7,900	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,800
Trichloroethene (TCE)	ND	ND	ND	ND	31,000 J	ND	ND	ND	ND	ND	ND
Methylcyclopentane	ND	ND	ND	ND	ND	ND	ND	190,000 F	18,000	3,100	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,900	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24,000
cis-1,3-Dichloropropene	24,000 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,800 J
4-Methyl-2-pentanone	290,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	170,000
Toluene	2,100,000 F	44,000	1,300,000 F	260,000	300,000	31,000	28,000 J	ND	1,600,000 F	1,400,000 F	790,000 F
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,500
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,500 J
Trichloroethene (PCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35,000
1,2-Dibromopropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	840,000 F	ND	ND	24,000
Ethylbenzene	13,000,000 F	230,000	8,400,000 F	3,500,000 F	6,800,000 F	150,000	150,000	20,000 J	260,000 F	140,000 F	8,400
m,p-Xylene	11,000,000 F	950,000	19,000,000 F	10,000,000 F	18,000,000 F	630,000	640,000	55,000	750,000 F	1,500,000 F	31,000
o-Xylene	16,000,000 F	370,000	12,000,000 F	4,600,000 F	11,000,000 F	720,000	260,000	19,000 J	310,000 F	600,000 F	8,700
Styrene	ND	23,000 J	2,900,000 F	ND	ND	78,000	4,300,000 F	41,000	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	750,000	ND	350,000	45,000	180,000	ND	37,000 J	ND	14,000	130,000 F	1,600 J
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,500 J
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,400 J
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
 All results are preliminary and have not gone through any data review or validation process.
 Detected concentrations are **Bolded**.
 B- Sample concentrations exceed the upper level of the calibration range.
 J- Indicates the reported value is an estimate.
 ND - Indicates the analyte was analyzed for but not detected.
 DF - Dilution Factor
 NA - Not Applicable

Table 1
Preliminary Analytical Data Summary Table - TCL VOCs
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-DW-5006-1	P001-DW-5009-1	P001-DW-5013-1	P001-DW-5013-1	P001-DW-5024-1	P001-DW-5027-1	P001-DW-5029-1	P001-DW-6006-1	P001-DW-6009-1	P001-DW-6010-1	P001-DW-6011-1
CLP Sample ID	BAZN4	BAZN5	BAZN6	BAZN7	BAZN8	BAZN9	BAZP0	BAZP1	BAZP9	BAZP0	BAZP2
Area	Area05	Area05	Area05	Area05	Area05	Area05	Area05	Area06	Area06	Area06	Area06
Sampling Date	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/19/2013	9/19/2013	9/19/2013
Sample Matrix (Unit)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	3,500 J	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	ND	ND	610,000	780,000 E	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	1,200 J	3,700	ND	ND	ND	41,000	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	240,000 E	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	ND	150,000 E	ND	ND	ND	220,000 E	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	46,000	ND	ND	ND	80,000	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	ND	540,000 E	ND	ND	ND	650,000 E	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	130,000 E	440,000 E	ND	ND	ND	390,000 E	50,000	ND	ND	160,000	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,900 J	310,000 E	ND	ND	ND	290,000 E	ND	ND	ND	ND	140,000
m,p-Xylene	7,700	970,000 E	ND	ND	ND	870,000 E	ND	ND	ND	ND	200,000
o-Xylene	2,500	630,000 E	ND	ND	ND	570,000 E	ND	ND	ND	ND	40,000 J
Styrene	ND	ND	ND	ND	ND	35,000	ND	ND	ND	160,000	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	150,000 E	ND	ND	ND	190,000 E	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are Bolded.
J - Sample concentrations exceed the upper level of the calibration range.
E - Indicates the reported value is an estimate.
ND - Indicates the analyte was analyzed for but not detected.
DF - Dilution Factor
NA - Not Applicable

Table 1
Preliminary Analytical Data Summary Table - TCL VOCs
Superior Barrel and Drum Site
September 2013

RST 1 Sample ID	P001-DW-6017-1	P001-DW-6018-1	P001-DW-6021-1	P001-DW-6024-1	P001-DW-6035-1	P001-TW-6038-1	P001-TW-6038-2	P001-S-2001-1	P001-S-2002-1	P001-S-2003-1	P001-S-3001-1
CLP Sample ID	BAZP3	BAZP4	BAZP5	BAZP6	BAZQ8	BB017	BB018	BAZQ9	BAZZ9	BB000	BAZR0
Area	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area02	Area02	Area02	Area03
Sampling Date	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/20/2013	9/27/2013	9/27/2013	9/20/2013	9/26/2013	9/26/2013	9/20/2013
Sample Matrix (Unit)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	600,000	ND	ND	ND	ND	590,000	380,000	ND	77	1,200 F	210
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	64	24
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	69	29
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	12 J	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	240 J	ND	47,000 J	ND	860,000	720,000	280	ND	80	ND
trans-1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	ND
1,2-Dibromopropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	63,000 J	ND	800,000	680,000	ND	ND	54	ND
m,p-Xylene	170,000	200 J	ND	160,000	160 J	2,200,000 F	1,700,000 F	200	ND	54	ND
o-Xylene	ND	ND	ND	45,000 J	ND	420,000	310,000	140 J	ND	40 J	ND
Styrene	ND	ND	ND	ND	ND	47,000	22,000 J	130 J	ND	2,200 F	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	28,000 J	21,000 J	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are Bolded.
B - Sample concentrations exceed the upper level of the calibration range.
J - Indicates the reported value is an estimate.
ND - Indicates the analyte was analyzed for but not detected.
DF - Dilution Factor
NA - Not Applicable

Table 1
Preliminary Analytical Data Summary Table - TCL VOCs
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-S-3002-2	P001-S-3002-1	P001-S-3003-1	P001-S-3004-1	P001-S-3005-1	P001-S-3006-1	P001-S-3007-1	P001-S-3008-1	P001-S-3009-1	P001-S-3010-1	P001-S-3011-1
CLP Sample ID	BAZR1	BAZR2	BAZR3	BAZZ0	BAZY9	BQAL0	BQAK4	BQAK9	BQAK3	BQAK5	BQAK7
Area	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03
Sampling Date	9/20/2013	9/20/2013	9/20/2013	9/26/2013	9/26/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013
Sample Matrix (Unit)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-tetrafluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	280	79	330	41	ND	ND	138	110	ND	ND	930 E
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	15	ND	29	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.3
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	7	24	39	ND	ND	ND	8.0 J	ND	ND	ND	150
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	14	ND	ND	ND	ND	ND	ND	ND	910 E
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	19	ND	3.6 J	10	ND	2,700 E
m,p-Xylene	ND	ND	ND	ND	ND	31	ND	5.7 J	14	ND	2,400 E
o-Xylene	ND	ND	ND	ND	ND	10	ND	2.8 J	7.7	ND	1,800 E
Styrene	ND	ND	ND	ND	ND	110	5.1	23	81	4.3 J	6,300 E
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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 Detected concentrations are Bolded.
 B - Sample concentrations exceed the upper level of the calibration range.
 J - Indicates the reported value is an estimate.
 ND - Indicates the analyte was analyzed but not detected.
 DP - Dilution Factor
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Table 1
Preliminary Analytical Data Summary Table - TCL VOCs
Superior Barrel and Drum Site
September 2013

RST Sample ID	P001-S-3012-1	P001-S-3013-1	P001-S-4001-1	P001-S-4002-1	P001-S-4003-1	P001-S-5001-1	P001-S-5002-1	P001-S-5003-1	P001-S-5004-1	P001-S-5005-1	P001-S-6001-1
CLP Sample ID	BA0A6	BAZ78	BB001	BB002	BB003	BAZ71	BAZ72	BAZ73	BAZ74	BAZ75	BAZ76
Area	Area03	Area03	Area04	Area04	Area04	Area05	Area05	Area05	Area05	Area05	Area06
Sampling Date	9/17/2013	9/16/2013	9/16/2013	9/16/2013	9/16/2013	9/16/2013	9/16/2013	9/16/2013	9/16/2013	9/16/2013	9/10/2013
Sample Matrix (Unit)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Axetone	1,900 E	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-Butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	660 E	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromopropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bibenzene	5.7 J	3.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-Xylene	3.5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Xylene	2.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	290	6.0 J	14	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-2-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are Bolded.
E: Sample concentrations exceed the upper level of the calibration range.
J: Indicates the reported value is an estimate.
ND: Indicates the analyte was analyzed for but not detected.
DF: Dilution Factor
NA: Not Applicable

Table 1
Preliminary Analytical Data Summary Table - TCL VOCs
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-S-6003-1	P001-S-6003-1	P001-S-6004-1	P001-S-6005-1	P001-S-6005-2	P001-S-6006-1	P001-S-6007-1	P001-S-6008-1	P001-S-7001-1	P001-S-7003-1	P001-S-7003-1
CLP Sample ID	BAZR5	BAZR6	BAZZ7	BAZY3	BAZY4	BAZZ5	BAZZ6	BAZY2	BAZY5	BAZY6	BAZY7
Area	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area07	Area07	Area07
Sampling Date	9/20/2013	9/20/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013
Sample Matrix (Unit)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	66	ND	ND	ND	ND	ND	600 E	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	47	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	53	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	ND	38	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	200,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	6.7	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bibenzene	730,000	ND	ND	ND	ND	5.9 J	ND	16	2.2 J	ND	ND
m,p-Xylene	1,800,000	ND	2.4 J	ND	ND	19	ND	35	6.3	ND	ND
o-Xylene	840,000	ND	ND	ND	ND	17	ND	28	10 J	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	4.3 J	ND	ND	ND
Bromoforn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

200 X DF

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are Bolded.
E: Sample concentrations exceed the upper level of the calibration range.
J: Indicates the reported value is an estimate.
ND: Indicates the analyte was analyzed but not detected.
DF: Dilution Factor
NA: Not Applicable

Table 1
Preliminary Analytical Data Summary Table - TCL VOCs
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-SW-1001-1	P001-SW-3001-1	P001-SW-3001-2	P001-SW-3001-1	P001-SW-6001-1	TB-092713
CLP Sample ID	BB019	BB020	BB021	BB022	BB023	BB024
Area	Area01	Area03	Area03	Area03	Area06	NA
Sampling Date	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013
Sample Matrix (Unit)	Surface Water (ug/L)	Surface Water (ug/L)	Surface Water (ug/L)	Surface Water (ug/L)	Surface Water (ug/L)	Surface Water (ug/L)
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND	ND
Acetone	6.2 J	3.0 J	3.1 J	30	4.0 J	22
Carbon disulfide	ND	ND	ND	ND	ND	ND
Methyl acetate	ND	ND	ND	ND	ND	ND
Methoxychloride	ND	ND	ND	ND	ND	ND
trans-1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1-Hexene	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
Cyclohexane	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	ND	ND	ND	ND	ND	ND
Methylcyclohexane	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND
Toluene	2.7 J	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND
Tetrahydrofuran (THF)	ND	ND	ND	ND	ND	ND
3-Hexanone	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dibromochloroethane	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND
m-Xylene	ND	ND	ND	ND	ND	ND
p-Xylene	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND
Bromofarm	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are Bolded.
E - Sample concentrations exceed the upper level of the calibration range.
J - Indicates the reported value is an estimate.
ND - Indicates the analyte was analyzed for but not detected.
DF - Dilution Factor
NA - Not Applicable

Table 2
Preliminary Analytical Data Summary Table - TCLSVOCs
Superior Barrel and Drum Site
September 2013

EST Sample ID	P001-TW-1001-1	P001-TW-1002-1	P001-TW-1003-1	P001-TW-1004-1	P001-TW-1005-1	P001-TW-1006-1	P001-TW-1007-1	P001-TW-1008-1	P001-TW-1009-1	P001-TW-1010-1	P001-TW-1011-1	P001-TW-1012-1	P001-TW-1013-1	P001-TW-1014-1
CLP Sample ID	BAZ55	BAZ56	BAZ57	BAZ58	BAZ59	BAZ70	BAZ71	BAZ72	BAZ73	BAZ74	BAZ75	BAZ76	BAZ77	BAZ78
Area	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01
Sampling Date	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)
Benzothiazole	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	1,100 J	11,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3-Dichloro-1-Chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	1,300 J	ND	ND	6,500	1,800 J	ND	7,300	ND	ND	ND	ND	ND
4-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitro-p-2-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	28,000	ND	1,400 J	ND	ND	ND	1,800,000 E	ND	44,000	11,000	ND	1,800 J	11,000
4-Chloronitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-1-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Methyl-2-naphthol	11,000 J	28,000	ND	ND	ND	ND	ND	140,000	ND	130,000	ND	ND	1,500 J	1,500
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloro-2,2,4,4-tetrahydrophthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	ND	ND	ND	1,400 J	ND	ND	ND	ND	ND	ND	4,400 J	ND	ND	ND
2,6-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	25,000 J	110,000	7,400	ND	630,000 E	77,000	57,000	2,500,000 E	14,000	450,000 E	ND	ND	ND	6,300
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-ethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitro-p-2-n-propylamine	61,000	ND	1,800 J	ND	ND	ND	1,300 J	ND	ND	13,000	2,400 J	ND	1,400 J	6,400
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alarazine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenyl bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Amtracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbonate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dichlorophthalate	23,000 BJ	ND	ND	ND	ND	63,000 BJ	17,000 BJ	74,000	1,500 BJ	43,000	ND	ND	14,000	3,300
Phenyl bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzylphenylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	1,300 BJ	ND	ND	ND	2,300 BJ	ND
1,3'-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzylphenylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl)phthalate	240,000 BJ	ND	1,400 BJ	1,700 BJ	ND	ND	ND	ND	1,000 BJ	710,000 E	ND	ND	ND	ND
Di-n-octylphthalate	ND	ND	ND	ND	ND	ND	10,000 J	ND	ND	ND	ND	ND	ND	ND
Benzylphenylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzylphenylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzylphenylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benz(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6-Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are Bolded.
E - Sample concentrations exceeded the upper level of the calibration range.
J - Indicates the reported value is an estimate.
B - Indicates analyte found in the associated method blank.
ND - Indicates the analyte was analyzed for but not detected.
DF - Dilution Factor

Preliminary Analytical Data Summary Table - TCL SVOC
Superior Barred and Drums Site
September 2011

[illegible]

Notes

All results are preliminary and have not gone through any data review or validation process.

E- Sample concentrations exceeded the upper level of the calibration range.

B - Indicates analysis found in the associated method block.

ND - Indicates the analyte was analyzed for but not detected

Preliminary Analytical Data Summary Table - TCL SVOC
Superior Barrel and Drum Site
September 2013

RST Sample ID	P001-DW-2023-1	P001-DW-2024-1	P001-DW-2024-1	P001-DW-2024-1	P001-DW-2024-1	P001-DW-2024-1	P001-DW-2024-1	P001-DW-2024-1	P001-DW-2024-1	P001-DW-2024-1	P001-DW-2024-1	P001-DW-2024-1	P001-DW-2024-1	P001-DW-2024-1	P001-DW-2024-1
CLP Sample ID	BAZS1	BAZW1	BAZS3	BAZS9	BAZS3	BAZW3	BAZW3	BACW9	BAZW4	BAZW7	BAZW6	BAZX8	BAZX8	BAZX8	BAZX1
Aura	Aura01	Aura01	Aura01	Aura01	Aura01	Aura01	Aura01	Aura01	Aura01	Aura01	Aura01	Aura01	Aura01	Aura01	Aura01
Sampling Date	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)
Benzaldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-(4-hydroxyphenyl) ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-methylenebis(4-chlorophenol)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Acetylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitro-p,p'-guanyldiamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Houac-Houacene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Cyanophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Houac-Houacene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-1-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Houac-Houacene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1'-Bis(4-chlorophenyl)ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Chloro-2-naphthol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Nitro-2-naphthol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dinitro-2-naphthol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetylsalicylic acid	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitro-p,p'-guanyldiamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Houac-Houacene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Cyanophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Houac-Houacene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-1-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Houac-Houacene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1'-Bis(4-chlorophenyl)ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Chloro-2-naphthol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Nitro-2-naphthol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dinitro-2-naphthol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetylsalicylic acid	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitro-p,p'-guanyldiamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Houac-Houacene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Cyanophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Houac-Houacene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-1-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Houac-Houacene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1'-Bis(4-chlorophenyl)ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Chloro-2-naphthol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Nitro-2-naphthol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dinitro-2-naphthol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetylsalicylic acid	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitro-p,p'-guanyldiamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Houac-Houacene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Cyanophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Houac-Houacene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-1-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Houac-Houacene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1'-Bis(4-chlorophenyl)ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Chloro-2-naphthol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Nitro-2-naphthol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dinitro-2-naphthol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetylsalicylic acid	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitro-p,p'-guanyldiamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Houac-Houacene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Cyanophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Houac-Houacene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					

NOTES

ND - Indicates the analyte was analyzed for but not detected.

Table 2
Preliminary Analytical Data Summary Table - TCL SVOC
Superior Barrel and Drum Site
September 2013

[illegible]

Notes

All results are preliminary and have not gone through any data review or validation process.

Detected concentrations are listed.

B- Sample concentrations exceeded the upper level of the calibration range.

) - indicates the reported value is an estimate.

D = Indicator's anolyte found in the associated method blank.

ND - Indicates the analyte was analyzed for but not detected.

DF - Dilution Factor

Preliminary Analytical Data Summary Table - TCL SVOC
Superior Barrel and Drum Site
September 2013

[illegible]

Notes
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are **Bolded**.
E- Sample concentrations exceeded the upper level of the calibration range
J - Indicates the reported value is an estimate
B - Indicates analyte found in the associated method blank.
ND - Indicates the analyte was analyzed for but not detected.
DF - Dilution Factor

Preliminary Analytical Data Summary Table - TCL SVOC
Superior Barrel and Drum Site
September 2013

Sample ID	P001-DW-5024-1	P001-DW-5027-1	P001-DW-5029-1	P001-DW-5036-1	P001-DW-5039-1	P001-DW-6010-1	P001-DW-6011-1	P001-DW-6012-1	P001-DW-6018-1	P001-DW-6019-1	P001-DW-6024-1	P001-DW-6035-2	P001-TW-6036-1	P001-TW-6036-2
CLP Sample ID	BAZ03	BAZ03	BAZ03	BAZP1	BAZP9	BAZQ0	BAZP2	BAZP3	BAZP4	BAZP5	BAZP6	BAZQ8	BB017	BB018
Area	Area05	Area05	Area05	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area06
Sampling Date	9/18/2013	9/18/2013	9/18/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/20/2013	9/20/2013	9/27/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	1,400 J	ND	ND	ND	ND	14,000	ND	ND	1,400 J	ND	14,000	1,400 J
Bis(2-Chlorophenyl) ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-Chloropropane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	1,600 BJ	21,000 B	ND	ND	ND	17,000 B	14,000 B	4,300 BJ	ND	2,400 BJ	ND	ND
4-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nonyl-di-n-octylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nonylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2,4-Dichlorophenyl) ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	1,300,000 F	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	21,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Camphor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-2-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	7,100,000 F	ND	71,000	ND	ND	ND	1,400 J	4,300 J	ND	ND	ND	ND	ND
Nonylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,4'-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1'-Biphenyl	ND	400,000	ND	5,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nonylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,4'-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1'-Biphenyl	ND	400,000	ND	5,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nonylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,4'-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1'-Biphenyl	ND	400,000	ND	5,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nonylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,4'-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1'-Biphenyl	ND	400,000	ND	5,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nonylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,4'-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1'-Biphenyl	ND	400,000	ND	5,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nonylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,4'-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1'-Biphenyl	ND	400,000	ND	5,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nonylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,4'-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1'-Biphenyl	ND	400,000	ND	5,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nonylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,4'-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1'-Biphenyl	ND	400,000	ND	5,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nonylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,4'-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1'-Biphenyl	ND	400,000	ND	5,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nonylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,4'-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1'-Biphenyl	ND	400,000	ND	5,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nonylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,4'-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1'-Biphenyl	ND	400,000	ND	5,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nonylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,4'-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1'-Biphenyl	ND	400,000	ND	5,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nonylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,4'-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1'-Biphenyl	ND	400,000	ND	5,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND							

Nietzsche

All results are preliminary and have not gone through any data review or validation process.

Detected concentrations are **bolded**

E: Sample concentrations exceeded the upper level of the calibration curve

B - Indicates analytes found in the associated method blank

NP: Indicates the analyte was analyzed for but not detected

DF = Dilution Factor

Table 3
Preliminary Analytical Data Summary Table - TCL SVOC
Superior Barrel and Drum Site
September 2013

[illegible]

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are Bolded.
E- Sample concentration has exceeded the upper level of the calibration range.
J - Indicates the reported value is an estimate.
B - Indicates analyte found in the associated method blank.
ND - Indicates the analyte was analyzed for but not detected.
DF - Dilution Factor

Table 2
Preliminary Analytical Data Summary Table - TCL SVOC
Superior Barrel and Drum Site
September 2013

[illegible]

All results are preliminary and have not gone through any data review or validation process.

Detected concentrations are Billed.

E- Sample concentrations exceeded the upper level of the calibration curve.

) - indicates the reported value is an estimate.

ND - Indicates the analyte was analyzed for but not detected

DF - Dilution Factor

Preliminary Analytical Data Summary Table - TCL SVOCs
Superior Barrel and Drum Site
September 2013

[illegible]

Notes
 All results are preliminary and have not gone through any data review or validation process.
 Detected concentrations are bolded.
 E- Sample concentrations exceeded the upper level of the calibration range
 I - Indicates the reported value is an estimate.
 B - Indicates analyte found in the associated method blank.
 ND - Indicates the analyte was analyzed for but not detected.
 DF - Dilution Factor

Table 3
Preliminary Analytical Data Summary Table - Pesticides
Superior Barred and Drum Site
September 2013

RST 1 Sample ID	P001-TW-1001-1	P001-TW-1003-1	P001-TW-1003-1	P001-TW-1004-1	P001-TW-1005-1	P001-TW-1006-1	P001-TW-1007-1	P001-TW-1008-1	P001-TW-1009-1	P001-TW-1010-1	P001-TW-1011-1
CLP Sample ID	BAZ55	BAZ56	BAZ57	BAZ58	BAZ59	BAZ70	BAZ71	BAZ72	BAZ73	BAZ74	BAZ75
Area	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01
Sampling Date	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013
Sample Matrix (Unit)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)
Alpha-BHC	190 P	ND	ND	67 P	ND	ND	ND	53 P	ND	ND	ND
Beta-BHC	63 P	ND	ND	110 P	ND	78 P	ND	64 P	ND	ND	ND
Delta-BHC	ND	ND	110 P	130 P	ND	59 P	ND	340 P	ND	310 P	ND
Gamma-BHC (Lindane)	ND	ND	ND	ND	ND	ND	ND	70 P	ND	ND	ND
Heptachlor	ND	ND	83 P	ND	ND	58 P	ND	180 P	ND	4,100 PE	ND
Aldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	530 P	ND
Heptachlor epoxide	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100 E	ND
Endosulfan I	ND	ND	ND	ND	ND	170	ND	ND	ND	110 P	ND
Dieldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,500 PE	ND
4,4'-DDE	160 P	ND	ND	ND	ND	ND	ND	ND	ND	840 P	ND
Endrin	ND	ND	ND	ND	ND	230 P	ND	ND	ND	ND	ND
Endosulfan II	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,100 PE	ND
4,4'-DDD	ND	ND	ND	ND	ND	ND	ND	140 P	ND	11,000 E	ND
Endosulfan sulfate	ND	ND	ND	ND	ND	ND	ND	140 P	ND	780 P	ND
4,4'-DDT	ND	ND	ND	ND	ND	ND	ND	ND	ND	970 P	ND
Methoxychlor	ND	ND	ND	ND	ND	540	ND	480 P	ND	7,800 P	ND
Endrin ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	170 P	ND
Endrin aldehyde	ND	ND	61 P	62 P	ND	210 P	ND	ND	ND	7,800 PE	ND
Alpha-Chlordane	ND	ND	ND	ND	ND	ND	ND	ND	ND	740 PE	ND
Gamma-Chlordane	ND	ND	85 P	67 P	ND	ND	ND	2,900 E	ND	530 P	ND
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

RST 2 Sample ID	P001-TW-1013-1	P001-TW-1013-1	P001-TW-1014-1	P001-TW-1015-1	P001-TW-1015-2	P001-DW-1016-1	P001-DW-1019-1	P001-DW-1014-1	P001-DW-2001-1	P001-DW-2003-1	P001-DW-2004-1
CLP Sample ID	BAZ76	BAZ77	BAZ78	BAZ79	BAZ80	BB004	BB005	BB006	BAZQ1	BAZQ2	BAZQ3
Area	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area02	Area02	Area02
Sampling Date	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/27/2013	9/27/2013	9/27/2013	9/20/2013	9/20/2013	9/20/2013
Sample Matrix (Unit)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)
Alpha-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delta-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110 P
Gamma-BHC (Lindane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-Chlordane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gamma-Chlordane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

50 X DF

50 X DF

50 X DF

Notes:

All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are Bolded.

E- Sample concentrations exceeded the upper level of the calibration range.

J - Indicates the reported value is an estimate.

P - Indicates that there is greater than 25% difference for detected concentrations between the two GC columns for the analyte.

D - Indicates that sample was reanalyzed at a higher dilution.

ND - Indicates the analyte was analyzed for but not detected.

DF - Dilution factor

Table 3
Preliminary Analytical Data Summary Table - Pesticides
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-DW-2006-1	P001-DW-2006-2	P001-DW-2007-1	P001-DW-2011-1	P001-DW-2016-1	P001-DW-2020-1	P001-DW-2025-1	P001-DW-2034-1	P001-DW-2036-1	P001-DW-2041-1	P001-DW-2042-1
CLP Sample ID	BAZQ4	BAZQ5	BAZQ6	BAZQ7	BAZS4	BAZW1	BAZS1	BAZW2	BAZS3	BAZS0	BAZS3
Area	Area01	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02
Sampling Date	9/20/2013	9/20/2013	9/20/2013	9/20/2013	9/23/2013	9/24/2013	9/23/2013	9/24/2013	9/23/2013	9/23/2013	9/23/2013
Sample Matrix (Unit)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Sludge Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)
alpha-BHC	ND	ND	ND	ND	ND	ND	ND	52 P	ND	ND	ND
beta-BHC	170 P	140 P	ND	ND	ND	ND	ND	1,100 PE	ND	ND	ND
delta-BHC	ND	65 P	ND	ND	ND	ND	ND	1,500 PE	ND	ND	ND
gamma-BHC (Lindane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24 P
Aldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	ND	ND	ND	ND	ND	ND	170 P	1,000 PE	ND	ND	150 P
Endosulfan I	ND	ND	ND	ND	ND	ND	880 PE	ND	ND	120 P	110 P
Dieldrin	ND	ND	ND	ND	ND	ND	1,300 P	ND	ND	ND	120
4,4'-DDE	ND	ND	ND	ND	ND	ND	270 P	ND	ND	610	ND
Endrin	ND	ND	ND	ND	ND	ND	ND	110	ND	270 P	ND
Endosulfan II	ND	ND	ND	ND	ND	ND	3,400 PE	1,500 PE	ND	ND	120 P
4,4'-DDD	ND	ND	ND	ND	ND	ND	1,900 PE	320	ND	780 P	270 P
Endosulfan sulfate	ND	ND	ND	ND	ND	ND	450 P	ND	ND	1,200 P	330
4,4'-DDT	ND	ND	ND	ND	ND	ND	1,200 P	ND	ND	ND	120
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	350 P	180 P
Endrin ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,600	ND
Endrin aldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	ND	ND	ND	ND	ND	ND	940 P	ND	ND	350 P	ND
gamma-Chlordane	ND	ND	ND	ND	ND	ND	1,300 E	15,000 K	ND	ND	100 P
Toxaphene	ND	ND	ND	ND	ND	ND	1,200 PE	ND	ND	ND	21 P

2 X DP

RST 2 Sample ID	P001-DW-2046-1	P001-DW-2047-1	P001-DW-2048-1	P001-DW-2050-1	P001-DW-2051-1	P001-DW-2058-1	P001-DW-2059-1	P001-DW-2060-1	P001-DW-2062-1	P001-DW-2063-1	P001-DW-2064-1
CLP Sample ID	BAZW3	BOAC9	BAZW4	BAZW7	BAZW6	BAZX4	BAZX0	BAZY1	BAZX3	BAZX7	BAZR7
Area	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02
Sampling Date	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/23/2013
Sample Matrix (Unit)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)
alpha-BHC	ND	ND	ND	ND	120 P	380 P	ND	ND	ND	ND	850 D*
beta-BHC	ND	ND	ND	ND	ND	7,600 E	ND	120	ND	ND	630 P
delta-BHC	ND	ND	ND	ND	ND	7,600 PE	ND	140 P	ND	ND	260 P
gamma-BHC (Lindane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	470 P	230	ND	ND	ND	ND	ND
Aldrin	ND	ND	ND	ND	ND	490 P	ND	160 P	ND	ND	ND
Heptachlor epoxide	ND	61 P	ND	ND	ND	ND	ND	220 P	ND	ND	ND
Endosulfan I	ND	ND	ND	ND	140 P	ND	ND	ND	ND	ND	ND
Dieldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	90 P
4,4'-DDE	ND	ND	ND	ND	120 P	ND	ND	570 P	ND	ND	ND
Endrin	ND	ND	ND	ND	130 P	ND	ND	310 P	ND	ND	ND
Endosulfan II	ND	ND	ND	ND	110 P	ND	ND	ND	ND	ND	ND
4,4'-DDD	ND	ND	ND	ND	480 P	ND	ND	ND	ND	ND	170 P
Endosulfan sulfate	ND	250 P	ND	ND	270 P	ND	ND	7,400 PE	ND	ND	ND
4,4'-DDT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND	680 P	ND	ND	1,400 P	ND	ND	ND
Endrin ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	ND	200	ND	ND	110 P	ND	ND	1,300 P	ND	ND	130
gamma-Chlordane	ND	130 P	ND	ND	83 P	ND	ND	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND	ND	ND	ND	280	ND	ND	95 P

*5 X DF

Notes:

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Detected concentrations are Bolded.
E - Sample concentrations exceeded the upper level of the calibration range.
J - Indicates the reported value is an estimate.
P - Indicates that there is greater than 25% difference for detected concentrations between the two GC columns for the analyte.
D - Indicates that sample was reanalyzed at a higher dilution.
ND - Indicates the analyte was analyzed for but not detected.
DP - Dilution factor

Table 3
Preliminary Analytical Data Summary Table - Pesticides
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-DW-2065-1	P001-DW-2067-1	P001-DW-2069-1	P001-DW-2073-1	P001-DW-2074-1	P001-DW-2076-1	P001-DW-2081-1	P001-DW-2086-1	P001-DG-1087-1	P001-DW-2090-1	P001-DW-2090-1
CLP Sample ID	BAZX3	BAZX3	BAZR8	BAZW9	BAZX6	BAZX9	BAZR9	BAZX1	BAZYD	BB007	BB008
Area	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02
Sampling Date	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/27/2013	9/27/2013
Sample Matrix (Unit)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Sediment Waste (ng/kg)	Liquid Waste (ng/kg)
alpha-BHC	100 P	ND	ND	ND	ND	ND	ND	ND	ND	1,100 P	3,200 P
beta-BHC	75 P	ND	ND	ND	ND	ND	ND	ND	ND	870 P	7,300 P
delta-BHC	160 P	150 P	100 P	ND	ND	ND	ND	ND	ND	ND	850 P
gamma-BHC (Lindane)	59 P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	14,000 PE	ND	ND	ND	610 P	1,400 P
Aldrin	ND	ND	ND	ND	ND	59 P	ND	ND	ND	5,100 PE	25,000 PE
Heptachlor epoxide	1,500 PE	ND	ND	ND	ND	200	ND	ND	ND	15,000 PE	7,200 P
Endosulfan I	ND	ND	ND	ND	ND	95 P	ND	ND	ND	ND	15,000 PE
Dieldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	25,000 PE	48,000 E
4,4'-DDE	140 P	ND	ND	ND	ND	270 P	ND	ND	ND	36,000 PE	80,000 E
Endrin	ND	ND	ND	ND	ND	110 P	ND	ND	ND	ND	ND
Endosulfan II	ND	ND	ND	ND	ND	3,700 P	ND	ND	ND	22,000 PE	16,000 PE
4,4'-DDD	120 P	ND	ND	ND	ND	370	ND	ND	ND	52,000 PE	26,000 PE
Endosulfan sul fate	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,600 P	5,100 P
4,4'-DDT	760 P	ND	ND	ND	ND	ND	ND	ND	ND	8,700 P	70,000 PE
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	160,000 PE	ND
Endrin ketone	ND	ND	ND	ND	ND	100	ND	ND	ND	ND	ND
Endrin aldehyde	5,700 E	ND	ND	ND	ND	ND	ND	ND	ND	37,000 E	24,000 PE
alpha-Chlordane	670 P	1,100 E	ND	ND	ND	ND	ND	ND	ND	33,000 E	23,000 PE
gamma-Chlordane	160 P	ND	ND	ND	ND	230 P	ND	ND	ND	15,000 PE	19,000 PE
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

10 X DF 10 X DF

RST 2 Sample ID	P001-DW-2093-1	P001-DW-2094-1	P001-DW-2100-1	P001-DW-2112-1	P001-DW-2113-1	P001-TW-2115-1	P001-DW-2121-1	P001-DW-4006-1	P001-DW-5001-1	P001-DW-5003-1	P001-DW-5006-1
CLP Sample ID	BB009	BB010	BB011	BB012	BB013	BB014	BB015	BB016	BAZN1	BAZN2	BAZN3
Area	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area04	Area05	Area05	Area05
Sampling Date	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/18/2013	9/18/2013	9/18/2013
Sample Matrix (Unit)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)	Liquid Waste (ng/kg)
alpha-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	590 P	ND	ND	ND	ND	4,500	ND	ND	ND	ND	ND
Endosulfan I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	ND	ND	1,200 P	ND	ND	5,400 P	ND	ND	ND	4,500 P	ND
4,4'-DDE	ND	ND	ND	ND	ND	10,000 P	ND	ND	ND	ND	ND
Endrin	ND	ND	ND	ND	ND	ND	5,400	ND	ND	ND	ND
Endosulfan II	ND	ND	ND	ND	ND	3,300 P	ND	ND	ND	ND	ND
4,4'-DDD	ND	ND	ND	ND	ND	15,000 PE	ND	ND	ND	91 P	ND
Endosulfan sul fate	ND	ND	990 P	ND	ND	6,600 P	ND	ND	ND	ND	ND
4,4'-DDT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND	ND	100,000 E	ND	ND	ND	ND	ND
Endrin ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	17,000 E	ND	990	ND	ND	3,000	71,000	ND	ND	ND	ND
alpha-Chlordane	ND	ND	ND	ND	ND	6,100	ND	ND	ND	ND	ND
gamma-Chlordane	ND	ND	ND	ND	ND	1,800 P	ND	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

All results are preliminary and have not gone through any data review or validation process.

Detected concentrations are Bolded.

E - Sample concentrations exceeded the upper level of the calibration range.

J - Indicates the reported value is an estimate.

P - Indicates that there is greater than 25% difference for detected concentrations between the two GC columns for the analyte.

D - Indicates that sample was reanalyzed at a higher dilution.

ND - Indicates the analyte was analyzed for but not detected.

DF - Dilution Factor

Table 3
Preliminary Analytical Data Summary Table - Pesticides
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-DW-5006-1	P001-DW-5009-1	P001-DW-5013-1	P001-DW-5013-1	P001-DW-5014-1	P001-DW-5017-1	P001-DW-5019-1	P001-DW-6006-1	P001-DW-6009-1	P001-DW-6010-1	P001-DW-6011-1
CLP Sample ID	BAZN4	BAZN5	BAZN6	BAZN7	BAZN8	BAZN9	BAZF0	BAZF1	BAZF9	BAZQ0	BAZF2
Area	Area05	Area05	Area05	Area05	Area05	Area05	Area05	Area06	Area06	Area06	Area06
Sampling Date	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013
Sample Matrix (Unit)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)
alpha-BHC	ND	180 P	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	ND	290 P	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	ND	160 P	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	ND	440 P	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	ND	82 P	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	ND	49 P	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	ND	260 DF*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	ND	670	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	ND	730	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	ND	490 P	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	ND	180 P	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ND	360	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	ND	570 P	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	ND	130 P	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	ND	240 P	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	ND	270 P	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	ND	1,000 PE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

*5 X DF

RST 2 Sample ID	P001-DW-6017-1	P001-DW-6018-1	P001-DW-6021-1	P001-DW-6024-1	P001-DW-6035-1	P001-TW-6038-1	P001-TW-6038-2	P001-S-2001-1	P001-S-2002-1	P001-S-2003-1	P001-S-2001-1
CLP Sample ID	BAZF3	BAZP4	BAZF5	BAZF6	BAZF9	BB017	BB018	BAZF9	BAZF9	BB000	BAZF0
Area	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area02	Area02	Area02	Area03
Sampling Date	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/20/2013	9/27/2013	9/27/2013	9/20/2013	9/26/2013	9/26/2013	9/20/2013
Sample Matrix (Unit)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)
alpha-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	ND	61 P	ND	ND	ND	ND	ND	11 P	ND	ND	ND
gamma-BHC (Lindane)	ND	ND	ND	ND	ND	ND	ND	33 P	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	ND	ND	11 P	ND	ND	ND
Aldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	ND	ND	ND	ND	ND	ND	ND	21 P	ND	ND	ND
Endosulfan I	ND	ND	ND	ND	ND	ND	ND	68 P	620 P	ND	3.0 P
Dieldrin	ND	ND	ND	ND	ND	ND	ND	21 P	ND	120	ND
4,4'-DDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	ND	ND	ND	ND	ND	ND	ND	91 P	ND	120 P	ND
Endosulfan II	ND	ND	ND	ND	ND	ND	ND	19 P	ND	620	ND
4,4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7 P
Endrin ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.7 P
alpha-Chlordane	ND	ND	ND	ND	ND	ND	ND	ND	ND	230	ND
gamma-Chlordane	89 P	ND	ND	ND	ND	ND	ND	31 P	ND	4,000 E	2.4 P
Toxaphene	ND	ND	ND	ND	ND	ND	ND	22 P	ND	110	2.4 P

10 X DF

10 X DF

Notes:

All results are preliminary and have not gone through any data review or validation process.
 Detected concentrations are Bolded.
 E - Sample concentrations exceeded the upper level of the calibration range.
 J - Indicates that the reported value is an estimate.
 P - Indicates that there is greater than 25% difference for detected concentrations between the two GC columns for the analyte.
 D - Indicates that sample was reanalyzed at a higher dilution.
 ND - Indicates the analyte was analyzed for but not detected.
 DF - Dilution factor

Table 3
Preliminary Analytical Data Summary Table - Pesticides
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-S-3001-2	P001-S-3001-1	P001-S-3003-1	P001-S-3004-1	P001-S-3005-1	P001-S-3006-1	P001-S-3007-1	P001-S-3008-1	P001-S-3009-1	P001-S-3010-1	P001-S-3011-1
CLP Sample ID	BAZRI	BAZRI	BAZRI	BAZZD	BAZVY	B0AL0	B0AK4	B0AK9	B0AK8	B0AK5	B0AK7
Area	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03
Sampling Date	9/20/2013	9/20/2013	9/20/2013	9/26/2013	9/26/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013
Sample Matrix (Unit)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)
alpha-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	ND	ND	12 P	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	ND	3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	240 P	ND
Aldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	ND	4.6 P	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	ND	19	10 P	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	ND	ND	17	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	2.6	ND	230 P	ND	ND	ND	ND	200	ND	ND	ND
Endosulfan II	8.7 P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	9.7 P	ND	ND	ND	ND	ND	ND	ND	ND	700 P	ND
Endosulfan sulfate	13 P	ND	ND	ND	ND	ND	38 P	44 P	ND	1,200	ND
4,4'-DDT	28 P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND	ND	95 J	270 P	330 P	ND	ND	ND
Endrin ketone	ND	ND	ND	ND	ND	51 P	ND	ND	ND	230	ND
Endrin aldehyde	22 P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	3.9 P	3.4 P	13 P	ND	ND	98	ND	ND	ND	ND	ND
gamma-Chlordane	ND	5.3 P	26 P	ND	ND	ND	ND	27 P	ND	170 P	ND
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10 X DF			10 X DF			10 X DF			50 X DF	

RST 3 Sample ID	P001-S-3012-1	P001-S-3013-1	P001-S-4001-1	P001-S-4002-1	P001-S-4003-1	P001-S-5001-1	P001-S-5002-1	P001-S-5003-1	P001-S-5004-1	P001-S-5005-1	P001-S-6001-1
CLP Sample ID	B0AN6	BAZV8	BB001	BB001	BB003	BAZZ1	BAZZ2	BAZZB	BAZZ3	BAZZ4	BAZZ4
Area	Area03	Area03	Area04	Area04	Area04	Area05	Area05	Area05	Area05	Area05	Area06
Sampling Date	9/27/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/29/2013
Sample Matrix (Unit)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)	Soil (ng/kg)
alpha-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.4 P	ND
delta-BHC	ND	ND	3.7 P	ND	ND	ND	ND	ND	ND	6.1 P	ND
gamma-BHC (Lindane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.7 P	ND
Heptachlor	ND	ND	5.9 P	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	ND	ND	2.3 P	ND	ND	ND	ND	ND	ND	11	ND
Heptachlor epoxide	ND	ND	ND	ND	11 P	2.5 P	ND	ND	ND	34	ND
Endosulfan I	ND	ND	2.3 P	ND	4.7 P	ND	ND	ND	ND	47 PE	ND
Dieldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	30 P	ND
4,4'-DDE	ND	ND	6.3	ND	ND	58	ND	ND	ND	19 P	ND
Endrin	ND	ND	17	ND	14 P	ND	ND	ND	ND	39 P	ND
Endosulfan II	ND	ND	11 P	ND	ND	ND	ND	ND	ND	130 E	ND
4,4'-DDD	ND	ND	6.9 P	ND	9.4 P	7.9 P	ND	ND	ND	110 PE	ND
Endosulfan sulfate	ND	ND	9.3 P	ND	ND	ND	3.9 P	ND	ND	44 P	ND
4,4'-DDT	ND	ND	11	ND	58 P	8.4 P	4.3 P	ND	6.4	98 PE	ND
Methoxychlor	ND	ND	85	ND	110 P	ND	ND	ND	ND	73 P	ND
Endrin ketone	ND	ND	58 P	ND	ND	6.7 P	6.4 P	ND	6.0 P	29 P	ND
Endrin aldehyde	ND	ND	7.2 P	ND	17 P	ND	19	ND	19	62 P	ND
alpha-Chlordane	ND	ND	3.4 P	ND	170 PE	3.3 P	ND	ND	ND	68 PE	ND
gamma-Chlordane	ND	ND	4.4 P	ND	48 P	3.0 P	ND	6.8 P	2.3 P	31 P	ND
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10 X DF			10 X DF			10 X DF			50 X DF	

Notes:

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Detected concentrations are Bolded.

B - Sample concentrations exceeded the upper level of the calibration range.

J - Indicates the reported value is an estimate.

P - Indicates that there is greater than 25% difference for detected concentrations between the two GC columns for the analyte.

D - Indicates that sample was reanalyzed at a higher dilution.

ND - Indicates the analyte was analyzed for but not detected.

DF - Dilution factor

Table 3
Preliminary Analytical Data Summary Table - Pesticides
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-S-6002-1	P001-S-6003-1	P001-S-6004-1	P001-S-6005-1	P001-S-6005-2	P001-S-6006-1	P001-S-6007-1	P001-S-6008-1	P001-S-7001-1	P001-S-7002-1	P001-S-7003-1
CLP Sample ID	BAZRS	BAZR6	BAZZ7	BAZY3	BAZY4	BAZZ5	BAZZ6	BAZY2	BAZY5	BAZY6	BAZY7
Area	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area07	Area07	Area07
Sampling Date	9/20/2013	9/20/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013
Sample Matrix (Unit)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)
alpha-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (lindane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

RST 2 Sample ID	P001-SW-1001-1	P001-SW-3001-1	P001-SW-3001-2	P001-SW-3002-1	P001-SW-4001-1
CLP Sample ID	BB019	BB020	BB0E1	BB0E2	BB0E3
Area	Area01	Area03	Area03	Area03	Area06
Sampling Date	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013
Sample Matrix (Unit)	Surface Water (ug/L)	Surface Water (ug/L)	Surface Water (ug/L)	Surface Water (ug/L)	Surface Water (ug/L)
alpha-BHC	ND	ND	ND	ND	ND
beta-BHC	ND	ND	ND	ND	ND
delta-BHC	ND	ND	ND	ND	ND
gamma-BHC (lindane)	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND
Aldrin	ND	ND	ND	ND	ND
Heptachlor epoxide	ND	ND	ND	ND	ND
Endosulfan I	ND	ND	ND	ND	ND
Dieldrin	ND	ND	ND	ND	ND
4,4'-DDE	ND	ND	ND	ND	ND
Endrin	ND	ND	ND	ND	ND
Endosulfan II	ND	ND	ND	ND	ND
4,4'-DDD	ND	ND	ND	ND	ND
Endosulfan sulfate	ND	ND	ND	ND	ND
4,4'-DDT	ND	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND	ND
Endrin ketone	ND	ND	ND	ND	ND
Endrin aldehyde	ND	ND	ND	ND	ND
alpha-Chlordane	ND	ND	ND	ND	ND
gamma-Chlordane	ND	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND	ND

Notes:

All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are Bolded.

E - Sample concentrations exceeded the upper level of the calibration range.

J - Indicates the reported value is an estimate.

P - Indicates that there is greater than 25% difference for detected concentrations between the two GC columns for the analyte.

D - Indicates that sample was reanalyzed at a higher dilution.

ND - Indicates the analyte was analyzed for but not detected.

DF - Dilution factor

Table 4
Preliminary Analytical Data Summary Table - TC1 PCBs
Superior Borel and Dren Site
September 2013

RST 2 Sample ID	P001-TW-1001-1	P001-TW-1003-1	P001-TW-1003-1	P001-TW-1004-1	P001-TW-1005-1	P001-TW-1006-1	P001-TW-1007-1	P001-TW-1008-1	P001-TW-1009-1	P001-TW-1010-1	P001-TW-1011-1
CLP Sample ID	BAZ55	BAZ56	BAZ57	BAZ58	BAZ59	BAZ70	BAZ71	BAZ72	BAZ73	BAZ74	BAZ75
Area	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01
Sampling Date	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013
Sample Matrix (Unit)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)
Aroclor-1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1262	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1268	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5 X DF	5 X DF		5 X DF	5 X DF			5 X DF		5 X DF	

RST 2 Sample ID	P001-TW-1012-1	P001-TW-1013-1	P001-TW-1014-1	P001-TW-1015-1	P001-TW-1015-2	P001-DW-1016-1	P001-DW-1019-1	P001-DW-1024-1	P001-DW-2001-1	P001-DW-2003-1	P001-DW-2004-1
CLP Sample ID	BAZ76	BAZ77	BAZ78	BAZ79	BAZW0	BB004	BB005	BB006	BAZQ1	BAZQ2	BAZQ3
Area	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01
Sampling Date	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/27/2013	9/27/2013	9/27/2013	9/20/2013	9/20/2013	9/20/2013
Sample Matrix (Unit)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)
Aroclor-1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1262	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1268	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
				5 X DF	5 X DF						

RST 2 Sample ID	P001-DW-2006-1	P001-DW-2006-2	P001-DW-2007-1	P001-DW-2011-1	P001-DW-2016-1	P001-DG-2020-1	P001-DW-2025-1	P001-DW-2034-1	P001-DW-2036-1	P001-DW-2041-1	P001-DW-2042-1
CLP Sample ID	BAZQ4	BAZQ5	BAZQ6	BAZQ7	BAZ54	BAZW1	BAZ51	BAZW2	BAZ52	BAZ50	BAZ53
Area	Area01	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02
Sampling Date	9/20/2013	9/20/2013	9/20/2013	9/20/2013	9/23/2013	9/24/2013	9/23/2013	9/24/2013	9/23/2013	9/23/2013	9/23/2013
Sample Matrix (Unit)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Sediment Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)
Aroclor-1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1262	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1268	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
						5 X DF				5 X DF	5 X DF

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are Bolded.
J - Indicates the reported value is an estimate.
ND - Indicates the analyte was analyzed for but not detected.
DF - Dilution Factor

Table 4
Preliminary Analytical Data Summary Table - TCL PCBs
Superior Barrel and Drum Site
September 2013

RST 3 Sample ID	P001-DW-2046-1	P001-DW-2047-1	P001-DW-2048-1	P001-DW-2050-1	P001-DW-2051-1	P001-DW-2058-1	P001-DW-2059-1	P001-DW-2060-1	P001-DW-2062-1	P001-DW-2063-1	P001-DW-2064-1
CLP Sample ID	BAZW3	B0AG9	BAZW4	BAZW7	BAZW6	BAZX4	BAZX0	BAZY1	BAZX2	BAZX7	BAZR7
Area	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02
Sampling Date	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/23/2013
Sample Matrix (Unit)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)
Anchor-1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1262	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1268	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

5 X DF

5 X DF

5 X DF

2 X DF

5 X DF

RST 3 Sample ID	P001-DW-2065-1	P001-DW-2067-1	P001-DW-2069-1	P001-DW-2073-1	P001-DW-2074-1	P001-DW-2076-1	P001-DW-2081-1	P001-DW-2086-1	P001-DW-2087-1	P001-DW-2090-1	P001-DW-2090-2
CLP Sample ID	BAZ08	BAZX5	BAZR8	BAZW9	BAZX6	BAZX9	BAZR9	BAZX1	BAZY0	BB007	BB008
Area	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02
Sampling Date	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/27/2013	9/27/2013
Sample Matrix (Unit)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Sludge Waste (ug/kg)	Liquid Waste (ug/kg)
Anchor-1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1262	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1268	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

5 X DF

5 X DF

5 X DF

RST 3 Sample ID	P001-DW-2093-1	P001-DW-2094-1	P001-DW-2100-1	P001-DW-2112-1	P001-DW-2113-1	P001-TW-2115-1	P001-DW-2121-1	P001-DW-4006-1	P001-DW-5001-1	P001-DW-5002-1	P001-DW-5006-1
CLP Sample ID	BB009	BB010	BB011	BB012	BB013	BB014	BB015	BB016	BAZN1	BAZN2	BAZN3
Area	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area04	Area05	Area05	Area05
Sampling Date	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/18/2013	9/18/2013	9/18/2013
Sample Matrix (Unit)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)
Anchor-1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1262	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1268	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

5 X DF

5 X DF

5 X DF

Notes:

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Detected concentrations are Bolded.

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DF - Dilution Factor

Table 4
Preliminary Analytical Data Summary Table - TCL PCBs
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-DW-5006-2	P001-DW-5009-1	P001-DW-5013-1	P001-DW-5023-1	P001-DW-5034-1	P001-DW-5037-1	P001-DW-5029-1	P001-DW-6006-1	P001-DW-6009-1	P001-DW-6010-1	P001-DW-6011-1
CLP Sample ID	BAZN4	BAZN5	BAZN6	BAZN7	BAZN8	BAZN9	BAZP0	BAZP1	BAZP9	BAZQ0	BAZP2
Area	Area05	Area05	Area05	Area05	Area05	Area05	Area05	Area06	Area06	Area06	Area06
Sampling Date	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/19/2013
Sample Matrix (Unit)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)
Anchor-1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1262	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1268	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

RST 2 Sample ID	P001-DW-6017-1	P001-DW-6018-1	P001-DW-6021-1	P001-DW-6024-1	P001-DW-6035-1	P001-TW-6038-1	P001-TW-6039-2	P001-S-2001-1	P001-S-2003-1	P001-S-2003-1	P001-S-3001-1
CLP Sample ID	BAZF3	BAZF4	BAZF5	BAZF6	BAZQ8	BB017	BB018	BAZQ9	BAZZ9	BB000	BAZR0
Area	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area02	Area02	Area02	Area03
Sampling Date	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/20/2013	9/20/2013	9/27/2013	9/20/2013	9/26/2013	9/26/2013	9/20/2013
Sample Matrix (Unit)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Liquid Waste (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)
Anchor-1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1262	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1268	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

5 X DF

RST 2 Sample ID	P001-S-3001-1	P001-S-3003-1	P001-S-3003-1	P001-S-3004-1	P001-S-3005-1	P001-S-3006-1	P001-S-3007-1	P001-S-3008-1	P001-S-3009-1	P001-S-3010-1	P001-S-3011-1
CLP Sample ID	BAZR1	BAZR2	BAZR3	BAZZ0	BAZY9	B0AL0	B0AK4	B0AK9	B0AK8	B0AK5	B0AK7
Area	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03
Sampling Date	9/20/2013	9/20/2013	9/20/2013	9/26/2013	9/26/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013
Sample Matrix (Unit)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)
Anchor-1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1262	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1268	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

5 X DF

5 X DF

5 X DF

Notes:

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ND - Indicates the analyte was analyzed for but not detected.

DF - Dilution Factor

Table 4
Preliminary Analytical Data Summary Table - TCL PCBs
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-S-3012-1	P001-S-3013-1	P001-S-4001-1	P001-S-4002-1	P001-S-4003-1	P001-S-4001-1	P001-S-5002-1	P001-S-5003-1	P001-S-5004-1	P001-S-5005-1	P001-S-6001-1
CLP Sample ID	B0AN6	BAZY8	BB001	BB002	BB003	BAZZ1	BAZZ2	BAZZ3	BAZZ4	BAZZ5	BAZZ6
Area	Area03	Area03	Area04	Area04	Area04	Area05	Area05	Area05	Area05	Area05	Area06
Sampling Date	9/27/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013
Sample Matrix (Unit)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)
Anchor-1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1262	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1268	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

5 X DF

RST 2 Sample ID	P001-S-6002-1	P001-S-6003-1	P001-S-6004-1	P001-S-6005-1	P001-S-6005-2	P001-S-6006-1	P001-S-6007-1	P001-S-6008-1	P001-S-7001-1	P001-S-7002-1	P001-S-7003-1
CLP Sample ID	BAZR5	BAZR6	BAZZ7	BAZY3	BAZY4	BAZZ5	BAZZ6	BAZY7	BAZY5	BAZY6	BAZY7
Area	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area07	Area07	Area07
Sampling Date	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013
Sample Matrix (Unit)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)
Anchor-1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1262	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anchor-1268	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

5 X DF

RST 2 Sample ID	P001-SW-1001-1	P001-SW-3001-1	P001-SW-3001-2	P001-SW-3002-1	P001-SW-6001-1
CLP Sample ID	BB019	BB020	BB0E1	BB0E2	BB0E3
Area	Area01	Area03	Area03	Area03	Area06
Sampling Date	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013
Sample Matrix (Unit)	Surface Water (ug/L)	Surface Water (ug/L)	Surface Water (ug/L)	Surface Water (ug/L)	Surface Water (ug/L)
Anchor-1016	ND	ND	ND	ND	ND
Anchor-1221	ND	ND	ND	ND	ND
Anchor-1232	ND	ND	ND	ND	ND
Anchor-1242	ND	ND	ND	ND	ND
Anchor-1248	ND	ND	ND	ND	ND
Anchor-1254	ND	ND	ND	ND	ND
Anchor-1260	ND	ND	ND	ND	ND
Anchor-1262	ND	ND	ND	ND	ND
Anchor-1268	ND	ND	ND	ND	ND

Notes:

All results are preliminary and have not gone through any data review or validation process.

Detected concentrations are Bolded.

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ND - Indicates the analyte was analyzed for but not detected.

DF - Dilution Factor

Table 8
 Preliminary Analysis of Data Summary Table - Inorganic
 Superior Barred and Drums Site
 September 2013

RRT 2 Sample ID	P001-TW-1001-1	P001-TW-1002-1	P001-TW-1003-1	P001-TW-1004-1	P001-TW-1005-1	P001-TW-1006-1	P001-TW-1007-1	P001-TW-1008-1	P001-TW-1009-1	P001-TW-1010-1	P001-TW-1011-1
CLP Sample ID	MBAZ25	MBAZ26	MBAZ27	MBAZ28	MBAZ29	MBAZ30	MBAZ31	MBAZ32	MBAZ33	MBAZ34	MBAZ35
Area	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01
Sampling Date	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)
Aluminum	24.8	8.7 J	43.4	6.8 J	74.8	ND	ND	ND	ND	8.7 J	6.8 J
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	31	87.1 J	1.7 J	134.8	8.7 J	3.1 J	1.5 J	8.59 J	ND	ND	ND
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	840	28.1 J	106 J	129 J	167 J	ND	ND	75.4 J	84.3 J	28.1 J	106 J
Chromium	855 J	ND	ND	1.1	844 J	ND	ND	ND	ND	ND	ND
Cobalt	44 J	89.1 J	3.4 J	ND	ND	88.1 J	ND	84.3 J	84.3 J	ND	ND
Copper	3.1 J	87.8 J	1.5 J	ND	844 J	ND	84.3 J	84.3 J	84.3 J	1.5 J	84.3 J
Iron	842	15.4	86.8	1.9	78	14.1	4.7 J	141	82.1	149	17.8
Lead	7.8	143 J	8.97 J	3.3	14.1	ND	8.47 J	78.9 J	ND	84.3 J	84.3 J
Magnesium	ND	ND	77.4 J	ND	84.3 J	ND	ND	ND	ND	ND	ND
Manganese	1.1	84.3 J	6.8	3.4	8.3	84.3 J	8.4 J	1.6	87.1 J	3.3	84.3 J
Nickel	844 J	ND	84.3 J	1.1	6.8	ND	84.3 J	ND	ND	ND	ND
Potassium	296 J	12.4	22.9	1.49	149	149	1.6	1.6	24.3	24.3	24.3
Selenium	8.4 J	8.1 J	8.34 J	ND	84.3 J	84.3 J	84.3 J	84.3 J	ND	84.3 J	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	844	1.644	15.444	1.610	3.444	15.444	4.444	84.3 J	4.478	2.444	15.444
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	ND	ND	84.3 J	ND	1.1 J	ND	ND	ND	ND
Zinc	12.1	6.8	81.5	11.9	6.7	14.3	11.1	14.3	84.3	149	84.3
Mercury	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N
Cyanide	8.38 J	84.1	8.35 J	8.38 J	8.35 J	8.35 J	8.41 J	1.3	8.34 J	8.31 J	8.34 J

RRT 2 Sample ID	P001-TW-1011-1	P001-TW-1012-1	P001-TW-1013-1	P001-TW-1014-1	P001-TW-1015-1	P001-TW-1016-1	P001-TW-1017-1	P001-TW-1018-1	P001-TW-1019-1	P001-TW-1020-1	P001-TW-1021-1
CLP Sample ID	MBAZ36	MBAZ37	MBAZ38	MBAZ39	MBAZ40	MBAZ41	MBAZ42	MBAZ43	MBAZ44	MBAZ45	MBAZ46
Area	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01
Sampling Date	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013	9/13/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)
Aluminum	79.3	3.8 J	19	ND	7.8 J	4.4 J	4.3 J	1.9	334	11	44.4
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	84.3 J	ND	ND	84.3 J	ND	ND	ND	ND	ND
Barium	24 J	13.5 J	23.9	ND	84.3 J	ND	ND	1.8	81.3	1.5 J	3.4 J
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	844	ND	81.8 J	ND	ND	ND	ND	8.57	ND	ND	ND
Calcium	440 J	72.1 J	943	ND	337 J	ND	35.1 J	6.290	84.3 J	1.8 J	1.8 J
Chromium	1.1	ND	6.8	ND	84.3 J	ND	ND	1.6	477	1.4	1.4
Cobalt	12.2 J	ND	1.9 J	ND	ND	ND	11.3	ND	6.9	ND	1.5 J
Copper	8.4	1.5 J	1.9	84.3 J	84.3 J	ND	ND	14.3	14.3	1.3 J	1.3 J
Iron	1488	91.3	1488	8.8 J	11.3	149	14.3	14.3	33.380 J*	14.3	6.9
Lead	18.1 J	15.1 J	36.9 J	36.1 J	15.4 J	ND	ND	1.1	21.1	84.3 J	1.1
Magnesium	ND	ND	81.5 J	ND	45.8 J	ND	ND	48.3 J	230 J	81.5 J	114 J
Manganese	6.8	84.3 J	14.1	ND	3.4	84.3 J	1.3	84.3 J	84.3 J	1.4	4.3
Nickel	1.7 J	84.3 J	2.3 J	ND	ND	ND	ND	8.7 J	8.1	1.3 J	4.3
Potassium	84.3 J	18.1 J	844	419 J	419 J	ND	ND	65.9 J	14.3	1.790	1.790
Selenium	844 J	84.3 J	84.3 J	84.3 J	84.3 J	ND	ND	8.1 J	1.4	84.3 J	84.3 J
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	814 J	81.1 J	1488	997	11.3	ND	ND	14.4 J	21.1 J	45.8 J	6.9
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	ND	ND	ND	ND	ND	84.3 J	1.3	ND	ND
Zinc	19	18.4	793	2.3 J	11.3	84.3 J	8.7 J	7.9	339	8.4	71.7
Mercury	ND N	ND N	84.3 J	ND N	ND N	8.1	8.3	8.3	84.3 J	ND	ND
Cyanide	8.34 J	8.34 J	8.37	8.14 J	8.43	ND	8.44	1.8	8.35 J	8.41	8.41 J

Notes:
 All results are preliminary and have not gone through any data review or validation process.
 Detected concentrations are bolded.
 B - Sample concentrations exceeded the upper level of the calibration range.
 J - Indicates the reported value is an estimate.
 D - Indicates that sample was analyzed at a higher dilution.
 N - Indicates presumptive evidence of the analyte.
 ND - Indicates the analyte was not detected.
 * Result reported from a diluted analysis but dilution factor not reported as part of the preliminary data.

Table 5
Preliminary Analytical Data Summary Table - Inorganic
Reptile Barred and Drum Site
September 2013

EST Sample ID	P001-DW-2006-1	P001-DW-2006-2	P001-DW-2007-1	P001-DW-2011-1	P001-DW-2015-1	P001-DW-2015-1	P001-DW-2015-1	P001-DW-2015-1	P001-DW-2015-1	P001-DW-2015-1	P001-DW-2015-1	P001-DW-2015-1
CLP Sample ID	MBAZQ4	MBAZQ5	MBAZQ6	MBAZQ7	MBAZQ8	MBAZQ9	MBAZQ10	MBAZQ11	MBAZQ12	MBAZQ13	MBAZQ14	MBAZQ15
Area	Area01	Area02	Area03	Area04	Area05	Area06	Area07	Area08	Area09	Area10	Area11	Area12
Sampling Date	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)
Aluminum	18.1 J	12.1 J	9.1	11	12	78.8	4.1	1.1 J	18.8	15.1 J	ND	ND
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Barium	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Cobalt	18.1 J	8.1 J	18.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Chromium	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Copper	ND	ND	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Iron	15.1 J	8.1 J	18.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Lead	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Manganese	11.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J
Mercury	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Nickel	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Platinum	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J
Selenium	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Mercury	ND	ND	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Cyanide	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J

EST Sample ID	P001-DW-2006-1	P001-DW-2007-1	P001-DW-2008-1	P001-DW-2009-1	P001-DW-2011-1	P001-DW-2015-1	P001-DW-2015-1	P001-DW-2015-1	P001-DW-2015-1	P001-DW-2015-1	P001-DW-2015-1	P001-DW-2015-1
CLP Sample ID	MBAZQ3	MBAZQ8	MBAZQ4	MBAZQ7	MBAZQ6	MBAZQ4	MBAZQ9	MBAZQ1	MBAZQ3	MBAZQ3	MBAZQ7	MBAZQ7
Area	Area01	Area02	Area03	Area04	Area05	Area06	Area07	Area08	Area09	Area10	Area11	Area12
Sampling Date	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)
Aluminum	18.1 J	12.1 J	9.1	11	12	78.8	4.1	1.1 J	18.8	15.1 J	ND	ND
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Barium	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Cobalt	18.1 J	8.1 J	18.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Chromium	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Copper	ND	ND	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Iron	15.1 J	8.1 J	18.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Lead	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Manganese	11.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J
Mercury	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Nickel	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Platinum	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J
Selenium	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J	18.1 J
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Mercury	ND	ND	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J
Cyanide	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J	8.1 J

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are listed.
J - Sample concentrations exceeded the upper level of the calibration range.
J - Indicates the reported value is an estimate.
D - Indicates that sample was analyzed at a higher dilution.
N - Indicates presumptive evidence of the analyte.
ND - Indicates the analyte was analyzed but not detected.
* Result reported from a diluted analysis but dilution factor not reported as part of the preliminary data.

Table 5
Preliminary Analytical Data Summary Table - 1 (continued)
Superior Barrel and Drum Site
September 2013

BST Sample ID	P001-DW-2065-1	P001-DW-2067-1	P001-DW-2069-1	P001-DW-2073-1	P001-DW-2074-1	P001-DW-2076-1	P001-DW-2081-1	P001-DW-2086-1	P001-DW-2087-1	P001-DW-2090-1	P001-DW-2090-2
CLP Sample ID	MBAZX8	MBAZX8	MBAZX8	MBAZX9	MBAZX9	MBAZX9	MBAZX9	MBAZX9	MBAZX9	MBAZX9	MBAZX9
Area	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03
Sampling Date	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/27/2013	9/27/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)
Achromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	0.57 J	ND	0.19 J	ND	0.48 J	ND	ND	0.23 J	ND	ND
Boron	0.41 J	11.8 J	0.44 J	ND	ND	ND	ND	ND	0.41 J	1.7 J	1.8 J
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	ND	12.10	141 J	ND	ND	ND	ND	ND	46.9 J	ND	ND
Chromium	ND	15.1	0.14	ND	ND	0.54 J	ND	ND	0.57 J	1.4	1.4
Cobalt	ND	43.0	0.55	ND	ND	3.9 J	ND	ND	ND	1.2 J	1.2 J
Copper	0.84 J	4.8	2.6	0.47 J	ND	ND	ND	ND	ND	1.1 J	1.1 J
Lead	0.9 J	2.70	175	0.4 J	ND	248	250 J	23.9	16.7	175	161
Iron	0.8	0.5	1.4 E	ND	ND	ND	0.23 J	18.8	ND	0.8	2.8
Magnesium	ND	0.19 J	75.3 J	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	ND	41.3	4.7	ND	ND	1.8 J	7.6	ND	0.79 J	0.9 J	0.9 J
Nickel	ND	2.2 J	186	ND	ND	ND	ND	ND	ND	0.54 J	0.54 J
Potassium	0.8 J	0.15	0.1	0.17 J	1.30 J	34.6 J	0.68 J	11.1 J	11.1 J	ND	ND
Selenium	1.1 J	2.4 J	0.31 J	1.4 J	ND	0.4	ND	1.1 J	1.1 J	0.98 J	0.98 J
Silver	ND	ND	0.23 J	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	ND	13.000	9.230	0.230	78.1 J	128 J	116 J	65.1 J	196 J	ND	ND
Titanium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	0.57 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	0.94 J	1.85	14.7	1.1 J	ND	1.4 J	6.1	2.1 J	6.1	37.3	33.5
Mercury	0.009 J	0.036 J	ND N	0.010 J	0.007 J	0.034 J	ND N	0.013 J	0.034 J	0.009 J	0.009 J
Cyanide	ND	0.10 J	0.30 J	ND	ND	ND	0.17 J	0.11 J	ND	0.49 J	0.75

BST Sample ID	P001-DW-2093-1	P001-DW-2094-1	P001-DW-2100-1	P001-DW-2113-1	P001-DW-2113-1	P001-TW-2119-1	P001-DW-2111-1	P001-DW-2006-1	P001-DW-2001-1	P001-DW-2002-1	P001-DW-2006-1
CLP Sample ID	MDB009	MDB010	MDB011	MDB013	MDB013	MDB014	MDB013	MDB016	MBAZN1	MBAZN1	MBAZN1
Area	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area04	Area05	Area05	Area05
Sampling Date	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/18/2013	9/18/2013	9/18/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)
Achromium	ND	0.18	ND	15.1 J	ND	18.7 J	18.9 J	71.7	ND	ND	ND
Antimony	ND	ND	ND	ND	ND	14.9	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	1.4	ND	ND	0.18 J	ND	ND	ND	ND
Boron	ND	2.4 J	ND	0.70 J	ND	ND	7.1 J	ND	0.44 J	ND	6 J
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	ND	129 J	ND	130 J	68.5 J	ND	67.1 J	146 J	ND	214 J	131 J
Chromium	1.6	0.25 J	2.4	0.81 J	11.9	0.25 J	15.4	0.4	ND	1.4	7.8
Cobalt	ND	ND	ND	ND	ND	1.8	ND	0.81 J	ND	1.4 J	0.35 J
Copper	0.37 J	1.3 J	0.1	0.36 J	ND	0.36 J	ND	0.33 J	ND	0.33 J	0.4
Iron	16.6	16.30	16.1	27.7 E	13.5	117 E	194 E	384 E	48.1	45	441
Lead	0.89 J	24.4	14.6	7.8 E	1.7	0.39 J E	1.3 E	ND E	2.890	11.7	2.2
Magnesium	ND	ND	ND	76.0 J	ND	ND	ND	ND	ND	ND	ND
Manganese	0.55 J	0.8	0.33 J	0.33 J	0.48 J	ND	1.4	ND	ND	1.4 J	7.1
Nickel	1.4 J	0.49 J	0.77 J	ND	0.34 J	0.68 J	0.68 J	0.68 J	ND	ND	1.8 J
Potassium	111 J	0.41	ND	281 J	481 J	467 J	78.4 J	115 J	0.4 J	0.4 J	117 J
Selenium	1.4 J	1.8 J	1.8 J	1.1 J	0.77 J	1.8 J	0.77 J	0.77 J	0.8 J	0.8 J	0.99 J
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	833	43.000	59.4 J	4.830	16.000	15.200	15.4 J	41.300 J	ND	0.4 J	137
Titanium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	11.8	77.9	1.8 J	31.6 E	9.8	11.4 E	24.9 E	696 E	3.8 J	0.46	31.6
Mercury	ND	0.079 J	ND	0.001 J	ND	ND	0.10	ND	0.021 J	0.001 J	0.009 J
Cyanide	1.8	0.35 J	0.16 J	0.59	0.14 J	0.34 J	0.11 J	0.44 J	2.3	1.7	0.75

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are listed.
J - Sample concentration exceeded the upper level of the calibration range.
J - Indicates the reported value is an estimate.
D - Indicates that sample was analyzed at a higher dilution.
M - Indicates presumptive evidence of the analyte.
ND - Indicates the analyte was analyzed but not detected.
* Result reported from a diluted analysis but dilution factor not reported as part of the preliminary data.

Table 6
Preliminary Analytical Data Summary Table - Inorganic
Reptiles and Birds
September 2013

EST 1 Sample ID	P001-DW-5000-1	P001-DW-5000-1	P001-DW-5013-1	P001-DW-5013-1	P001-DW-5013-1	P001-DW-5013-1	P001-DW-5013-1	P001-DW-5013-1	P001-DW-5013-1	P001-DW-5013-1	P001-DW-5013-1
CLP Sample ID	MBAZ04	MBAZ03	MBAZ04	MBAZ07	MBAZ08	MBAZ09	MBAZ09	MBAZ09	MBAZ09	MBAZ09	MBAZ09
Area	Area05	Area05	Area05	Area05	Area05	Area05	Area05	Area05	Area05	Area05	Area05
Sampling Date	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)
Aluminum	ND	ND	ND	18.9 J	24.9	ND	ND	ND	ND	ND	3.8 J
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	2.8 J	ND	ND	ND	8.17 J	ND	ND	8.17 J	ND	ND	ND
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	184 J	ND	ND	6.1 J	ND	ND	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	244	ND	19.9	19.9	2.1 J	144	144	144	144	144	ND
Lead	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	4.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	1.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phosphorus	114 J	ND	ND	114	ND	ND	ND	ND	ND	ND	ND
Selenium	0.31 J	0.31 J	ND	0.31 J	1.2 J	0.28 J	0.28 J	0.28 J	0.28 J	0.28 J	0.28 J
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	248 J	ND	419 J	111 J	111 J	ND	2.2 J	ND	ND	ND	ND
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	19.1	ND	14 J	14	ND	ND	ND	ND	ND	ND	ND
Mercury	0.071 J	ND	ND	ND	ND	ND	0.011 J	0.011 J	0.011 J	0.011 J	0.011 J
Cyanide	0.45 J	0.25 J	0.33	0.33 J	0.33 J	0.33 J	0.33 J	0.33 J	0.33 J	0.33 J	0.33 J

EST 2 Sample ID	P001-DW-6010-1	P001-DW-6010-1	P001-DW-6010-1	P001-DW-6010-1	P001-DW-6010-1	P001-DW-6010-1	P001-DW-6010-1	P001-DW-6010-1	P001-DW-6010-1	P001-DW-6010-1	P001-DW-6010-1
CLP Sample ID	MBAZ03	MBAZ04	MBAZ09	MBAZ09	MBAZ09	MBAZ09	MBAZ09	MBAZ09	MBAZ09	MBAZ09	MBAZ09
Area	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area06
Sampling Date	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)
Aluminum	8.5 J	114	ND	ND	154 J	119	119	119	119	119	119
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	2.4 J	2.4 J	ND	2.4 J	ND	ND	ND	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	212 J	212 J	ND	ND	ND	172 J	172 J	172 J	172 J	172 J	172 J
Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	19.1	443	19.1	443	11	211 J	211 J	211 J	211 J	211 J	211 J
Lead	ND	1.8	ND	ND	0.44 J	214 J	214 J	214 J	214 J	214 J	214 J
Manganese	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phosphorus	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	ND	0.071 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	0.44	1.1	0.74	0.9	0.39	0.37 J	0.37 J	0.37 J	0.37 J	0.37 J	0.37 J

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are listed.
E - Sample concentrations exceeded the upper level of the calibration range.
J - Indicates the reported value is an estimate.
D - Indicates that sample was analyzed at a higher dilution.
N - Indicates presumptive evidence of the analyte.
ND - Indicates the analyte was not found but not detected.
* Results reported from a diluted analysis but dilution factor not reported as part of the preliminary data.

Table 5
Preliminary Analytical Data Summary Table - Inorganic
Superior Barred and Drum Site
September 2013

RST Sample ID	P001-S-3001-1	P001-S-3002-1	P001-S-3003-1	P001-S-3004-1	P001-S-3005-1	P001-S-3006-1	P001-S-3007-1	P001-S-3008-1	P001-S-3009-1	P001-S-3010-1	P001-S-3011-1
CLP Sample ID	MBAZ21	MBAZ22	MBAZ23	MBAZ24	MBAZ25	MBAZ26	MBAZ27	MBAZ28	MBAZ29	MBAZ30	MBAZ31
Area	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03
Sampling Date	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013
Sample Matrix (Unit)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)
Aluminum	2,240	2,260	1,200	2,490 E	2,210 E	2,210	2,240	2,240	2,240	2,240	2,240
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	1.8	2.3	2.3	0.19 J	1.4	1.3	1.3	0.64 J	1.4	1.3	1.8
Barium	78.1	25.1	19	13.1 JK	24.7	11.7	21.4	9.6 J	13.7	16.7	24.4
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	0.25 J	0.17	0.54	0.25 J	0.53	1.1	0.11 J	ND	0.19 J	1.3	0.18 J
Calcium	2,630	2,200	1,200	1,610 E	1,190	1,190	653	190 J	2,200	0,700	100 J
Chromium	143	21	143	0.9	0.9	20.3	13.5	4.0	13.5	4.0	0.7
Cobalt	2.7 J	6.6	2.3 J	2.3 J	2.4 J	5.3	2.1 J	0.9 J	2.5 J	1.7 J	0.64 J
Copper	15.1	11	11.5	10.8	11.1	20.9	27.0	27.0	16.3	16.3	1.5
Iron	16,600	16,600	16,700	2,220 E	2,220 E	16,300	7,210	2,200	2,210	11,000	5,470
Lead	24.1	21.3	11.9	15.8 E	11.3 E	25.1	25.0	16.3	22.2	22.6	16.5
Magnesium	830	1,000	1,400	100 J	100 J	100 J	100 J	0.16 J	1,200	2,270	100 J
Manganese	760	100	16	14.3 E	25.0	25.0	66.4	13.1	0.45	111	27.6
Nickel	0.43	0.3	0.1	0.3	0.3	10.9	1.6	1.1 J	1.4	1.4	0.9 J
Potassium	170 J	243 J	231 J	25.1 J	20.9 J	231 J	231 J	231 J	231 J	231 J	231 J
Selenium	3.4 J	1.4 J	1.4 J	0.44 J	0.44 J	0.44 J	0.44 J	0.44 J	0.44 J	0.44 J	0.44 J
Silver	0.3 J	0.15 J	0.4	0.27 J	0.27 J	ND	ND	ND	0.27 J	ND	ND
Sodium	65.1 J	104 J	43.3 J	ND	ND	63.1 J	63.1 J	ND	28.4 J	34.1 J	36.4 J
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	10.4	17.5	11.9	7.8	13.1	20.6	6.2	6.2	16.3	12.1	4.4 J
Zinc	310	100	151	0.60 E	0.60 E	117	117	117	311	311	65.8
Mercury	0.010 J	0.011 J	0.010 J	0.007 J	0.007 J	0.010 J	0.010 J	0.017 J	0.010 J	0.010 J	0.010 J
Cyanide	0.11 J	0.37 J	0.41 J	ND	ND	0.39 J	ND	ND	0.044 J	0.13 J	ND

RST Sample ID	P001-S-3012-1	P001-S-3013-1	P001-S-3014-1	P001-S-3015-1	P001-S-3016-1	P001-S-3017-1	P001-S-3018-1	P001-S-3019-1	P001-S-3020-1	P001-S-3021-1	P001-S-3022-1
CLP Sample ID	MBAZ32	MBAZ33	MBAZ34	MBAZ35	MBAZ36	MBAZ37	MBAZ38	MBAZ39	MBAZ40	MBAZ41	MBAZ42
Area	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03
Sampling Date	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013
Sample Matrix (Unit)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)
Aluminum	1,010	1,010 E	745 E	12,000	5,040	2,220 E	2,220 E	4,000 E	0,200 E	0,200 E	230
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	2.0	2.1	23.4	1.1	6.1	2.0	2.1	2.0	2.1	2.1	23.4
Barium	24.0	27.3 E	1,030 E	13.7	13.7	21.0 E	21.0 E	0.43 E	21.0 E	21.0 E	0.7 J
Beryllium	ND	ND	ND	ND	ND	0.17 J	ND	ND	0.21 J	0.16 J	ND
Cadmium	1.0	0.27	0.8	1.0	4.3	0.03	0.21 J	0.2	0.01	1.0	1.0
Calcium	946	2,220 E	2,240 E	15,000	15,000	15,000	15,000	26,000 E	26,000 E	17,000 E	114 J
Chromium	20.5	13.9	0.9	10.7	20.1	15.1	0.8	10.7	16.4	13.3	0.7
Cobalt	3.3 J	0.1	0.5	1.0 J	0.9	2.0 J	1.0 J	2.0	0.5 J	2.0	10.1
Copper	13.0	37.0	1,020	10.3	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Iron	11,200	0,200 E	0,000 DE*	1,200	12,000	12,000 E	7,000 E	12,000 E	23,000 E	0,000 E	0,000 DE*
Lead	65.4	21.0 E	200 E	74.0	137	10.7 E	10.7 E	24.0 E	24.0 E	24.0 E	7.1
Magnesium	400 J	1,030	201 J	14.3 J	6,700	7,000	3,020	3,020	15,000	0,100	ND
Manganese	334	0.11 E	0,000 DE*	35.4	105	102 E	7.1 J	200 E	230 E	170 E	1,020
Nickel	10.4	10.9	0.1	0.1	13.1	10.9	4.0	13.1	11.3	0.0	11.4
Potassium	772 J	204 J	177 J	5.1 J	120 J	5.9	702 J	591	654	409 J	ND
Selenium	0.50 J	0.29 J	ND	ND	ND	ND	ND	0.50 J	ND	0.46 J	ND
Silver	0.71 J	0.51 J	ND	ND	3.3	ND	ND	1.1	ND	0.21 J	ND
Sodium	701	0.5 J	1.0 J	44.4 J	136 J	177 J	10.3 J	151 J	413 J	154 J	ND
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	16.1	16.4	0.6	14.4	23.0	16.9	16.9	23.0	23.0	23.0	13.0
Zinc	110	704 E	201 E	15.5	210	20.7 E	103 E	201 E	1,300 E	141 E	0.4 J
Mercury	0.010 J	0.011 J	0.010 J	0.010 J	0.010 J	0.010 J	0.010 J	0.010 J	0.010 J	0.010 J	0.010 J
Cyanide	0.20 J	ND	1.1	ND	0.14 J	ND	0.31 J	ND	ND	0.12 J	0.67

Notes:

All results are preliminary and have not gone through any data review or validation process.

Detected concentrations are listed.

E - Sample concentration is exceeded the upper level of the calculation range.

J - Indicates the reported value is an estimate.

D - Indicates that sample was reanalyzed at a higher dilution.

N - Indicates presumptive evidence of the analyte.

ND - Indicates the analyte was analyzed but not detected.

* Result reported from a diluted sample but dilution factor not reported as part of the preliminary data.

Table 5
Preliminary Analytical Data Summary Table - Inorganic
Reggie Barrel and Drum Site
September 2013

EST 3 Sample ID	P001-S-6007-1	P001-S-6008-1	P001-S-6009-1	P001-S-6010-1	P001-S-6011-1	P001-S-6012-1	P001-S-6013-1	P001-S-6014-1	P001-S-6015-1	P001-S-6016-1	P001-S-6017-1
CLP Sample ID	MBAZL5	MBAZL6	MBAZL7	MBAZL8	MBAZL9	MBAZL10	MBAZL11	MBAZL12	MBAZL13	MBAZL14	MBAZL15
Area	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area07	Area07
Sampling Date	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013
Sample Matrix (Unit)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)
Aluminum	1,620	1,620	2,170 E	1,700 E	2,220 E	1,320 E	2,220 E	1,620 E	1,620 E	1,120 E	2,220 E
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	2,420 E	2,420 E	2,420 E	2,420 E	2,420 E	2,420 E	2,420 E	2,420 E	2,420 E	2,420 E	2,420 E
Barium	120	120	120	120	120	120	120	120	120	120	120
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	0.38 E	0.38 E	0.38 E	0.38 E	0.38 E	0.38 E	0.38 E	0.38 E	0.38 E	0.38 E	0.38 E
Calcium	25,200	25,200	25,200 E	25,200 E	25,200 E	25,200 E	25,200 E	25,200 E	25,200 E	25,200 E	25,200 E
Chromium	260	260	260	260	260	260	260	260	260	260	260
Cobalt	160	160	160	160	160	160	160	160	160	160	160
Copper	120	120	120	120	120	120	120	120	120	120	120
Iron	25,200	25,200	25,200 E	25,200 E	25,200 E	25,200 E	25,200 E	25,200 E	25,200 E	25,200 E	25,200 E
Lead	120	120	120	120	120	120	120	120	120	120	120
Manganese	2,220	2,220	2,220 E	2,220 E	2,220 E	2,220 E	2,220 E	2,220 E	2,220 E	2,220 E	2,220 E
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	120	120	120	120	120	120	120	120	120	120	120
Phosphorus	120	120	120	120	120	120	120	120	120	120	120
Selenium	120	120	120	120	120	120	120	120	120	120	120
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	120	120	120	120	120	120	120	120	120	120	120
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	120	120	120	120	120	120	120	120	120	120	120
Zinc	120	120	120	120	120	120	120	120	120	120	120
Mercury	0.043 E	0.043 E	0.043 E	0.043 E	0.043 E	0.043 E	0.043 E	0.043 E	0.043 E	0.043 E	0.043 E
Cyanide	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

EST 3 Sample ID	P001-SW-1001-1	P001-SW-1002-1	P001-SW-1003-1	P001-SW-1004-1	P001-SW-1005-1
CLP Sample ID	MBS001	MBS002	MBS003	MBS004	MBS005
Area	Area01	Area01	Area01	Area01	Area01
Sampling Date	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013
Sample Matrix (Unit)	Surface Water (mg/L)	Surface Water (mg/L)	Surface Water (mg/L)	Surface Water (mg/L)	Surface Water (mg/L)
Aluminum	260	260	260	260	260
Arsenic	ND	ND	ND	ND	ND
Boron	ND	ND	ND	ND	ND
Barium	ND	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	ND
Cadmium	0.38 E	0.38 E	0.38 E	0.38 E	0.38 E
Calcium	25,200	25,200	25,200	25,200	25,200
Chromium	260	260	260	260	260
Cobalt	160	160	160	160	160
Copper	120	120	120	120	120
Iron	25,200	25,200	25,200	25,200	25,200
Lead	120	120	120	120	120
Manganese	2,220	2,220	2,220	2,220	2,220
Mercury	ND	ND	ND	ND	ND
Nickel	120	120	120	120	120
Phosphorus	120	120	120	120	120
Selenium	120	120	120	120	120
Silver	ND	ND	ND	ND	ND
Sodium	120	120	120	120	120
Thallium	ND	ND	ND	ND	ND
Vanadium	120	120	120	120	120
Zinc	120	120	120	120	120
Mercury	ND	ND	ND	ND	ND
Cyanide	1.1	1.1	1.1	1.1	1.1

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are Bolded.
E - Sample concentrations exceeded the upper level of the calibration range.
J - Indicates the reported value is an estimate.
D - Indicates that sample was analyzed at a higher dilution.
N - Indicates presumptive evidence of the analyte.
ND - Indicates the analyte was analyzed but not detected.
* Result reported from a diluted analysis but dilution factor not reported as part of the preliminary data.

Table 6
Validated Analytical Data Summary Table - RCRA Characteristics
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-TW-1001-1	P001-TW-1002-1	P001-TW-1003-1	P001-TW-1004-1	P001-TW-1005-1	P001-TW-1006-1	P001-TW-1007-1	P001-TW-1008-1	P001-TW-1009-1	P001-TW-1010-1	P001-TW-1011-1
Area	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01
Sampling Date	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013
Sample Matrix	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste
MDL/Unit											
Corrosivity (as pH)	pH	7.14	8.97	6.69	6.41	6.43	8.01	7.18	7.07	5.81	5.97
Flashpoint	°F	>212	180	>212	165	145	>212	>212	100	>212	130
Ignitability	°C	-	-	-	-	-	-	-	-	-	-
Cyanide, Reactive	0.050 mg/Kg	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND
Sulfide, Reactive	10 mg/Kg	30	18	19	32	32	30	26	32	34	ND

RST 2 Sample ID	P001-TW-1012-1	P001-TW-1013-1	P001-TW-1014-1	P001-TW-1015-1	P001-TW-1015-2	P001-DW-1016-1	P001-DW-1019-1	P001-DW-1024-1	P001-DW-2001-1	P001-DW-2003-1	P001-DW-2004-1
Area	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area02	Area02	Area02
Sampling Date	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/27/2013	9/27/2013	9/27/2013	9/20/2013	9/20/2013	9/20/2013
Sample Matrix	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste *	Liquid Waste	Liquid Waste *
MDL/Unit											
Corrosivity (as pH)	pH	6.44	4.68	8.7	9.57 J	9.37 J	5.88	4.92	3.83	4.18	11.78
Flashpoint	°F	98	92	115	98	82	68	70	70	-	138
Ignitability	°C	-	-	-	-	-	-	-	-	NO	NO
Cyanide, Reactive	0.050 mg/Kg	ND	ND	0.725	0.125	0.11	ND	ND	ND	ND	ND
Sulfide, Reactive	10 mg/Kg	32	30	34	32	38	26	30	29	ND	14

RST 2 Sample ID	P001-DW-2006-1	P001-DW-2006-2	P001-DW-2007-1	P001-DW-2011-1	P001-DW-2016-1	P001-DW-2020-1	P001-DW-2025-1	P001-DW-2034-1	P001-DW-2036-1	P001-DW-2041-1	P001-DW-2042-1
Area	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02
Sampling Date	9/20/2013	9/20/2013	9/20/2013	9/20/2013	9/23/2013	9/24/2013	9/23/2013	9/24/2013	9/23/2013	9/23/2013	9/23/2013
Sample Matrix	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Sludge Waste	Liquid Waste	Liquid Waste *	Liquid Waste	Liquid Waste *	Liquid Waste *
MDL/Unit											
Corrosivity (as pH)	pH	8.17 J	8.86 J	6.67	6.18	9.48	13.31	7.97	4.37	8.89	7.61
Flashpoint	°F	172	145	>212.0	>212.0	80	92	90	-	88	-
Ignitability	°C	-	-	-	-	-	-	-	YES	-	YES
Cyanide, Reactive	0.050 mg/Kg	ND	ND	ND	ND	ND	ND	ND	0.737	ND	ND
Sulfide, Reactive	10 mg/Kg	13	14	13	11	37	38	35	38	37	38

RST 2 Sample ID	P001-DW-2046-1	P001-DW-2047-1	P001-DW-2048-1	P001-DW-2050-1	P001-DW-2051-1	P001-DW-2058-1	P001-DW-2059-1	P001-DW-2060-1	P001-DW-2062-1	P001-DW-2063-1	P001-DW-2064-1
Area	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02
Sampling Date	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/23/2013
Sample Matrix	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste
MDL/Unit											
Corrosivity (as pH)	pH	4.14	4.53	10.07	6.37	6.82	4.46	11.97	6.19	12.19	6.33
Flashpoint	°F	82	80	78	79	78	78	92	78	80	78
Ignitability	°C	-	-	-	-	-	-	-	-	-	-
Cyanide, Reactive	0.050 mg/Kg	ND	ND	ND	ND	0.279	ND	0.349	ND	0.122	ND
Sulfide, Reactive	10 mg/Kg	120	40	37	40	37	37	120	41	43	40

Notes:

* These samples were collected as liquid waste samples, but were determined to be solidified by the laboratory and, therefore, the Ignitability test was performed.

J - Indicates the reported value is an estimate.

ND - Indicates the analyte was analyzed for but not detected.

NO - Does not ignite.

YES - Ignites

MDL - Method detection limit.

Table 6
Validated Analytical Data Summary Table - RCRA Characteristics
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-DW-2065-1	P001-DW-2067-1	P001-DW-2069-1	P001-DW-2073-1	P001-DW-2074-1	P001-DW-2076-1	P001-DW-2081-1	P001-DW-2086-1	P001-DG-2087-1	P001-DW-2090-1	P001-DW-2090-2
Area	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02
Sampling Date	9/25/2013	9/25/2013	9/23/2013	9/25/2013	9/25/2013	9/25/2013	9/23/2013	9/25/2013	9/25/2013	9/27/2013	9/27/2013
Sample Matrix	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Sediment Waste	Liquid Waste	Liquid Waste
MDL/Unit											
Corrosivity (as pH)	pH	5.11	4.96	5.31	5.35	3.94	4.91	5.27	5.87	4.59	5.76
Flashpoint	°F	76	78	185	88	76	76	>212	76	-	78
Ignitability	°C	-	-	-	-	-	-	-	-	YES	-
Cyanide, Reactive	0.050 mg/Kg	ND	ND	0.068	ND	ND	ND	ND	ND	ND	ND
Sulfide, Reactive	10 mg/Kg	35	34	26	38	42	38	30	40	38	27

RST 2 Sample ID	P001-DW-2093-1	P001-DW-2094-1	P001-DW-2100-1	P001-DW-2112-1	P001-DW-2113-1	P001-TW-2115-1	P001-DW-2121-1	P001-DW-4006-1	P001-DW-5001-3	P001-DW-5002-3	P001-DW-5006-3
Area	Area02	Area02	Area02	Area02	Area02	Area03	Area02	Area04	Area05	Area05	Area05
Sampling Date	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/24/2013	9/24/2013	9/24/2013
Sample Matrix	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste
MDL/Unit											
Corrosivity (as pH)	pH	5.72	6.28	6.01	6.64	7.88	7.87	6.16	5.88	6.61	6.17
Flashpoint	°F	76	76	74	76	76	74	76	78	76	108
Ignitability	°C	-	-	-	-	-	-	-	-	-	-
Cyanide, Reactive	0.050 mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	0.882	1.7
Sulfide, Reactive	10 mg/Kg	29	38	30	32	37	40	38	30	43	34

RST 2 Sample ID	P001-DW-5006-4	P001-DW-5009-3	P001-DW-5013-3	P001-DW-5023-3	P001-DW-5024-3	P001-DW-5027-3	P001-DW-5029-3	P001-DW-6006-3	P001-DW-6009-3	P001-DW-6010-3	P001-DW-6011-3
Area	Area05	Area05	Area05	Area05	Area05	Area05	Area05	Area06	Area06	Area06	Area06
Sampling Date	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/24/2013
Sample Matrix	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste
MDL/Unit											
Corrosivity (as pH)	pH	8.16	6.15	1.81	2.66	3.17	3.29	3.62	4	6.51	6.39
Flashpoint	°F	82	84	78	-	82	78	84	78	78	76
Ignitability	°C	-	-	-	ND	-	-	-	-	-	NO
Cyanide, Reactive	0.050 mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sulfide, Reactive	10 mg/Kg	29	42	38	46	37	42	38	35	40	42

RST 2 Sample ID	P001-DW-6017-3	P001-DW-6018-3	P001-DW-6021-3	P001-DW-6024-3	P001-DW-6035-1	P001-TW-6038-1	P001-TW-6038-2	P001-S-2001-1	P001-S-2002-1	P001-S-2003-1	P001-S-3001-1
Area	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area02	Area02	Area02	Area03
Sampling Date	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/27/2013	9/27/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013
Sample Matrix	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Liquid Waste	Soil	Soil	Soil	Soil
MDL/Unit											
Corrosivity (as pH)	pH	10.22	12.26	13.88	8.07	5.04	7.9 J	8.21 J	5.33	6.47	6.34
Flashpoint	°F	80	80	78	88	>212.0	76	76	-	-	-
Ignitability	°C	-	-	-	-	-	-	-	NO	NO	NO
Cyanide, Reactive	0.050 mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sulfide, Reactive	10 mg/Kg	37	43	42	38	14	40	38	16	32	40

Notes:

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Table 6
Validated Analytical Data Summary Table - RCRA Characteristics
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-S-3001-1	P001-S-3002-1	P001-S-3003-1	P001-S-3004-1	P001-S-3005-1	P001-S-3006-1	P001-S-3007-1	P001-S-3008-1	P001-S-3009-1	P001-S-3010-1	P001-S-3011-1
Area	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03
Sampling Date	9/20/2013	9/20/2013	9/20/2013	9/26/2013	9/26/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
MDL/Unit											
Conductivity (as pH)	pH	5.42 J	6.33	5.66	6.19	6.41	6.51	6.73	6.4	6.53	5.36
Flashpoint	°F	-	-	-	-	-	-	-	-	-	NO
Ignitability	°C	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Cyanide, Reactive	0.050 mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sulfide, Reactive	10 mg/Kg	13	13	11	38	38	40	38	34	41	42

RST 2 Sample ID	P001-S-3012-1	P001-S-3013-1	P001-S-4001-1	P001-S-4002-1	P001-S-4003-1	P001-S-5001-1	P001-S-5002-1	P001-S-5003-1	P001-S-5004-1	P001-S-5005-1	P001-S-6001-1
Area	Area03	Area03	Area04	Area04	Area04	Area05	Area05	Area05	Area05	Area05	Area06
Sampling Date	9/17/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/20/2013
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
MDL/Unit											
Conductivity (as pH)	pH	6.28	6.31	6.96	7.94	7.03	7.62	7.26	7.13	7.15	6.24
Flashpoint	°F	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Ignitability	°C	-	-	-	-	-	-	-	-	-	NO
Cyanide, Reactive	0.050 mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sulfide, Reactive	10 mg/Kg	48	46	29	27	40	45	41	38	43	46

RST 2 Sample ID	P001-S-6002-1	P001-S-6003-1	P001-S-6004-1	P001-S-6005-1	P001-S-6005-2	P001-S-6006-1	P001-S-6007-1	P001-S-6008-1	P001-S-7001-1	P001-S-7002-1	P001-S-7003-1
Area	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area07	Area07	Area07
Sampling Date	9/20/2013	9/20/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
MDL/Unit											
Conductivity (as pH)	pH	5.55	12.96	7.58	6.97 J	6.85 J	7.45	6.88	5.71	8.07	7.22
Flashpoint	°F	-	-	NO	NO	NO	NO	NO	NO	NO	NO
Ignitability	°C	NO	NO	-	-	-	-	-	-	-	-
Cyanide, Reactive	0.050 mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sulfide, Reactive	10 mg/Kg	16	13	45	43 J	62 J	61	62	30	24	18

Notes:

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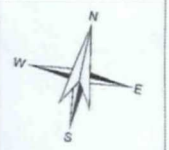
ACTION MEMORANDUM FOR THE
SUPERIOR BARREL AND DRUM SITE
ELK, GLOUCESTER COUNTY, NJ
SITE ID A23K

ATTACHMENT C

Site Layout and Area Designation Map



DRAFT



SCALE
1:480

- LEGEND**
- ▲ Surface Water Sample
 - Surface Soil Sample
 - Air Monitoring Station
 - Construction Fencing
 - Engineering Control (Berm)
 - Covered Pile
 - Tanker
 - Site Area
 - Parcel Boundary (approximate)
 - Wetland Type**
 - Freshwater Forested/Shrub Wetland
 - Freshwater Pond

Figure 1: Site Layout and Area Designations

SUPERIOR BARRELAND DRUM
S&B TOWNSHIP, INDIANAPOLIS, INDIANA

UNITED STATES ENVIRONMENTAL
PROTECTION AGENCY
REMOVAL SUPPORT TEAM 3
CONTRACT # EP-R054-072

In Association With:
Amec Environmental, LLC
Innovative Technology Solutions, Inc. &
Dewberry and Environmental Associates, Inc.

DATE: 12/15/2009
BY: J. H. HARRIS
FOR: SUPERIOR BARRELAND DRUM
PROJECT: SUPERIOR BARRELAND DRUM
DRAWING: SITE LAYOUT AND AREA DESIGNATIONS



ACTION MEMORANDUM FOR THE
SUPERIOR BARREL AND DRUM SITE
ELK, GLOUCESTER COUNTY, NJ
SITE ID A23K

ATTACHMENT D

Site Photographs













BATCH 000000
MATERIAL # 10000





